

301387  
STIC-EIC1600/2900

From: DENNIS HEYER [dennis.heyer@uspto.gov]  
Sent: Thursday, July 09, 2009 10:04 AM  
To: STIC-EIC1600/2900  
Subject: Search Request, Case/Application No.: 10580575



10580575,  
Claims.pdf

Requester: DENNIS HEYER (2/1615)

Art Unit: GROUP ART UNIT 1615

Employee Number: 86486

Office Location: RPM 2075

Phone Number: (571)270-7677

Case/Application number: 10580575

Priority Filing Date: 11/25/2007

Format for Search Results: Score

Meaning of unusual acronyms or initialisms:

Copy of Claims are attached - please call if you have questions - Thank you!

Identify the novelty:

The structure defined by Claim 1, Component A, can be found in the products: Great Oil P-10, P-11, P-12, S-10, S-11, S-12 and S-13 manufactured by Taiyo Kagaku Co., Ltd. Any prior art references to these "Great Oil" products, particularly in a cosmetic formulation and oil-in-water emulsion would be great.

Additional comments:

Regarding component B, Claim 3, Please search ~~diglyceryl sebacate~~ used in cosmetics, particularly oil-in-water emulsion compositions. Also, please search polyglycerol fatty acid esters in oil-in-water emulsion cosmetics.

Attachments: You (10580575, Claims.pdf)

LB

\*\*\*\*\*  
Searched: \_\_\_\_\_  
Searched By: \_\_\_\_\_  
Date Searched: \_\_\_\_\_  
Date Compiled: \_\_\_\_\_  
Searched By: \_\_\_\_\_  
Online Find: \_\_\_\_\_

\*\*\*\*\*  
Type of Search: \_\_\_\_\_  
MA: \_\_\_\_\_ AR: \_\_\_\_\_  
S/W: \_\_\_\_\_  
Excludes/Trans: \_\_\_\_\_  
Searcher: \_\_\_\_\_  
Inventor: \_\_\_\_\_  
Situation: \_\_\_\_\_

\*\*\*\*\*  
Vendors/Coat where applicable  
S/W: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
GOLDEN/COBOL: \_\_\_\_\_  
LORIS/MENTA: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
MIR/INSTRUM: \_\_\_\_\_  
OTHER (Specify): \_\_\_\_\_

# Dennis Heyer 10/580,575

=> d his nofile

FILE 'REGISTRY' ENTERED AT 10:43:22 ON 13 JUL 2009  
ACT D101112/A

L1 3 SEA SPE=ON ABB=ON PLU=ON ("GREAT OIL D 10"/CN OR "GREAT OIL  
D 11"/CN OR "GREAT OIL D 12"/CN)

ACT S10111213/A

L2 ( 21)SEA SPE=ON ABB=ON PLU=ON (111-01-3/BI OR 112-92-5/BI OR  
27841-06-1/BI OR 29806-73-3/BI OR 30399-84-9/BI OR 36653-82-4/B  
I OR 38718-97-7/BI OR 5466-77-3/BI OR 59029-17-3/BI OR  
61725-93-7/BI OR 661-19-8/BI OR 7299-99-2/BI OR 7360-38-5/BI  
OR 756819-20-2/BI OR 756874-77-8/BI OR 756874-78-9/BI OR  
756874-79-0/BI OR 83138-62-9/BI OR 9007-48-1/BI OR 9009-32-9/BI  
OR 9016-00-6/BI)

L3 ( 8)SEA SPE=ON ABB=ON PLU=ON L2 AND C=18

L4 ( 11276)SEA SPE=ON ABB=ON PLU=ON C3H8O3

L5 4 SEA SPE=ON ABB=ON PLU=ON L4 AND L3

ACT DENNIS/A

L6 ( 524)SEA SPE=ON ABB=ON PLU=ON 25618-55-7/CRN

L7 ( 4066)SEA SPE=ON ABB=ON PLU=ON C18H36O2

L8 ( 56)SEA SPE=ON ABB=ON PLU=ON L7 AND L6

L9 25 SEA SPE=ON ABB=ON PLU=ON L8 AND NC=2

L10 26 SEA SPE=ON ABB=ON PLU=ON L5 OR L9

FILE 'REGISTRY' ENTERED AT 11:00:19 ON 13 JUL 2009  
E DIGLYCERYL MONOOLEATE/CN

L11 1 SEA SPE=ON ABB=ON PLU=ON "DIGLYCERYL MONOOLEATE"/CN

FILE 'CAPLUS' ENTERED AT 11:00:56 ON 13 JUL 2009

L12 4 SEA SPE=ON ABB=ON PLU=ON L1

L13 706 SEA SPE=ON ABB=ON PLU=ON L5

L14 1018 SEA SPE=ON ABB=ON PLU=ON L10

L15 367 SEA SPE=ON ABB=ON PLU=ON L11

L16 7 SEA SPE=ON ABB=ON PLU=ON L13 AND L15

L17 7 SEA SPE=ON ABB=ON PLU=ON L13 AND L15

L18 95811 SEA SPE=ON ABB=ON PLU=ON GLYCERIDES/CW

L19 6104 SEA SPE=ON ABB=ON PLU=ON POLYGLYCER?/OBI

L20 100928 SEA SPE=ON ABB=ON PLU=ON (L18 OR L19)

L21 155 SEA SPE=ON ABB=ON PLU=ON L13 (L) COS/RL

L22 313 SEA SPE=ON ABB=ON PLU=ON L14 (L) COS/RL

L23 313 SEA SPE=ON ABB=ON PLU=ON L21 OR L22

L24 0 SEA SPE=ON ABB=ON PLU=ON L23 AND L15

L25 273 SEA SPE=ON ABB=ON PLU=ON L23 AND L20

L26 189537 SEA SPE=ON ABB=ON PLU=ON EMULS?/OBI

L27 129 SEA SPE=ON ABB=ON PLU=ON L25 AND L26

L28 87 SEA SPE=ON ABB=ON PLU=ON L21 AND L26

L29 2359 SEA SPE=ON ABB=ON PLU=ON EMOLLIEN?/OBI

L30 11 SEA SPE=ON ABB=ON PLU=ON L21 AND L29

L31 91 SEA SPE=ON ABB=ON PLU=ON L28 OR L30

L32 273402 SEA SPE=ON ABB=ON PLU=ON FATTY ACID#/OBI

L33 39 SEA SPE=ON ABB=ON PLU=ON L31 AND L32

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L34	35	SEA	SPE=ON	ABB=ON	PLU=ON	L33 NOT (L12 OR (L16 OR L17))
L35	11	SEA	SPE=ON	ABB=ON	PLU=ON	L12 OR L16 OR L17
L36	35	SEA	SPE=ON	ABB=ON	PLU=ON	L34 NOT L35
L37	122	SEA	SPE=ON	ABB=ON	PLU=ON	FUJINO J?/AU
L38	112	SEA	SPE=ON	ABB=ON	PLU=ON	OOYAMA K?/AU
L39	5758	SEA	SPE=ON	ABB=ON	PLU=ON	UCHIDA K?/AU
L40	1032	SEA	SPE=ON	ABB=ON	PLU=ON	OKUBO Y?/AU
L41	7012	SEA	SPE=ON	ABB=ON	PLU=ON	(L37 OR L38 OR L39 OR L40)
L42	5	SEA	SPE=ON	ABB=ON	PLU=ON	L41 AND (L12 OR L13)
						D SCAN TI
L43	1	SEA	SPE=ON	ABB=ON	PLU=ON	L42 NOT (L35 OR L36)
						D SCAN
L44	0	SEA	SPE=ON	ABB=ON	PLU=ON	L41 AND L15
L45	50	SEA	SPE=ON	ABB=ON	PLU=ON	L41 AND L18
L46	5	SEA	SPE=ON	ABB=ON	PLU=ON	L45 AND (L26 OR L29)
L47	7	SEA	SPE=ON	ABB=ON	PLU=ON	L46 OR L42
L48	3	SEA	SPE=ON	ABB=ON	PLU=ON	L47 NOT ((L35 OR L36))
						D SCAN TI

=> fil reg  
FILE 'REGISTRY' ENTERED AT 11:12:11 ON 13 JUL 2009  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 12 JUL 2009 HIGHEST RN 1161919-42-1  
DICTIONARY FILE UPDATES: 12 JUL 2009 HIGHEST RN 1161919-42-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d que l1;d l1 1-3  
L1 3 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON ("GREAT OIL D 10"/CN  
OR "GREAT OIL D 11"/CN OR "GREAT OIL D 12"/CN)

L1 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 756874-79-0 REGISTRY  
ED Entered STN: 05 Oct 2004  
CN Great Oil D 12 (9CI) (CA INDEX NAME)  
ENTE A polyglycerin mixture (Taiyo Kagaku Co., Ltd.)  
MF Unspecified  
CI PMS, MAN  
PCT Manual registration  
SR CA  
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
4 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 756874-78-9 REGISTRY  
ED Entered STN: 05 Oct 2004  
CN Great Oil D 11 (9CI) (CA INDEX NAME)  
ENTE A polyglycerin mixture (Taiyo Kagaku Co., Ltd.)  
MF Unspecified  
CI PMS, MAN  
PCT Manual registration  
SR CA

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LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2009 ACS on STN

RN 756874-77-8 REGISTRY

ED Entered STN: 05 Oct 2004

CN Great Oil D 10 (9CI) (CA INDEX NAME)

ENTE A polyglycerin mixture (Taiyo Kagaku Co., Ltd.)

MF Unspecified

CI PMS, MAN

PCT Manual registration

SR CA

LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d que l5

L2 ( 21)SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON (111-01-3/BI OR  
112-92-5/BI OR 27841-06-1/BI OR 29806-73-3/BI OR 30399-84-9/BI  
OR 36653-82-4/BI OR 38718-97-7/BI OR 5466-77-3/BI OR 59029-17-3  
/BI OR 61725-93-7/BI OR 661-19-8/BI OR 7299-99-2/BI OR  
7360-38-5/BI OR 756819-20-2/BI OR 756874-77-8/BI OR 756874-78-9  
/BI OR 756874-79-0/BI OR 83138-62-9/BI OR 9007-48-1/BI OR  
9009-32-9/BI OR 9016-00-6/BI)  
L3 ( 8)SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L2 AND C=18  
L4 ( 11276)SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON C3H8O3  
L5 4 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L4 AND L3

→ I could not find any registry numbers for "great oil s 10-13". L5 above is most probably Great Oil s10-13 since I found them in the inventor's application. From the specs (table 3), s10-13 is a polyglycerin oleic acid ester.

=> d l5 1-4

L5 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2009 ACS on STN

RN 83138-62-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1,2,3-Propanetriol, homopolymer, isooctadecanoate (CA INDEX NAME)

OTHER NAMES:

CN Isolan GI 34

CN Plurol isostearate

CN Plurol Isostearique

CN Polyglycerin isostearate

CN Polyglycerol isostearate

CN Polyglyceryl isostearate

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MF C18 H36 O2 . x (C3 H8 O3)x  
PCT Polyether, Polyether formed  
LC STN Files: CA, CAPLUS, CHEMLIST, TOXCENTER, USPAT2, USPATFULL  
Other Sources: TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 30399-84-9  
CMF C18 H36 O2  
CCI IDS

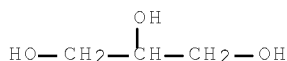


CM 2

CRN 25618-55-7  
CMF (C3 H8 O3)x  
CCI PMS

CM 3

CRN 56-81-5  
CMF C3 H8 O3



170 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
170 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 61725-93-7 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 1,2,3-Propanetriol, homopolymer, dioctadecanoate (CA INDEX NAME)  
OTHER NAMES:  
CN Emalex DSG 2  
CN Polyglycerin distearate  
CN Polyglycerol distearate  
CN Polyglyceryl distearate  
DR 146478-30-0, 403821-13-6  
MF C18 H36 O2 . 1/2 (C3 H8 O3)x  
PCT Polyether, Polyether formed  
LC STN Files: CA, CAPLUS, CHEMLIST, TOXCENTER, USPAT2, USPATFULL  
Other Sources: DSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 57-11-4  
CMF C18 H36 O2

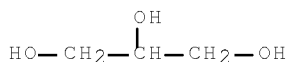


CM 2

CRN 25618-55-7  
CMF (C3 H8 O3)x  
CCI PMS

CM 3

CRN 56-81-5  
CMF C3 H8 O3



50 REFERENCES IN FILE CA (1907 TO DATE)  
50 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L5 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 9009-32-9 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 1,2,3-Propanetriol, homopolymer, octadecanoate (CA INDEX NAME)  
OTHER NAMES:  
CN Atmer 184  
CN Chirabazol P 4  
CN Crester KZ  
CN Estax 49  
CN Polyglycerin stearate  
CN Polyglycerol octadecanoate  
CN Polyglycerol stearate  
CN Polyglyceryl stearate  
CN Rikemal AF 70  
CN S 15D  
CN Sunsoft PS 68  
CN Vykamol KT  
DR 57608-39-6, 75216-71-6  
MF C18 H36 O2 . x (C3 H8 O3)x  
PCT Polyether, Polyether formed  
LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, CASREACT, CHEMLIST, CSCHEM,  
IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFULL, USPATOLD

CM 1

CRN 57-11-4  
CMF C18 H36 O2

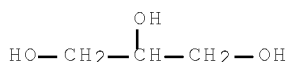


CM 2

CRN 25618-55-7  
CMF (C3 H8 O3)x  
CCI PMS

CM 3

CRN 56-81-5  
CMF C3 H8 O3



214 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
214 REFERENCES IN FILE CAPLUS (1907 TO DATE)

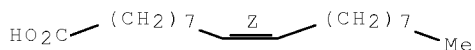
L5 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2009 ACS on STN  
RN 9007-48-1 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1,2,3-Propanetriol, homopolymer, (Z)-9-octadecenoate  
OTHER NAMES:  
CN AG 7520  
CN Chirabazol VR 01  
CN Demal 14  
CN DO 13  
CN Emcol 12-14-18  
CN Emcol 14  
CN Emulsogen OG  
CN Emulsogen OGP  
CN Estax 50  
CN Isolan GO 33  
CN Oleic acid polyglyceride  
CN Plurol oleique  
CN Plurol Oleique CC 495  
CN Polyglycerin oleate  
CN Polyglycerol oleate  
CN Polyglyceryl oleate  
CN Santone 3-1SH  
CN Unigly GO 102S  
FS STEREOSEARCH  
DR 945857-03-4, 9009-31-8, 109190-38-7, 68238-75-5, 75496-64-9, 39403-38-8  
MF C18 H34 O2 . x (C3 H8 O3)x  
CI COM  
PCT Polyether, Polyether formed  
LC STN Files: BIOSIS, CA, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, IFICDB,  
IFIPAT, IFIUDB, MSDS-OHS, RTECS\*, TOXCENTER, USPAT2, USPATFULL, USPATOLD  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

CM 1



CRN 112-80-1  
CMF C18 H34 O2

Double bond geometry as shown.

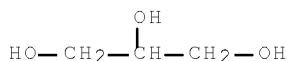


CM 2

CRN 25618-55-7  
CMF (C3 H8 O3)x  
CCI PMS

CM 3

CRN 56-81-5  
CMF C3 H8 O3



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

381 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
381 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d que 110

L2 ( 21)SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON (111-01-3/BI OR  
112-92-5/BI OR 27841-06-1/BI OR 29806-73-3/BI OR 30399-84-9/BI  
OR 36653-82-4/BI OR 38718-97-7/BI OR 5466-77-3/BI OR 59029-17-3  
/BI OR 61725-93-7/BI OR 661-19-8/BI OR 7299-99-2/BI OR  
7360-38-5/BI OR 756819-20-2/BI OR 756874-77-8/BI OR 756874-78-9  
/BI OR 756874-79-0/BI OR 83138-62-9/BI OR 9007-48-1/BI OR  
9009-32-9/BI OR 9016-00-6/BI)  
L3 ( 8)SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L2 AND C=18  
L4 ( 11276)SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON C3H8O3  
L5 4 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L4 AND L3  
L6 ( 524)SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON 25618-55-7/CRN  
L7 ( 4066)SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON C18H36O2  
L8 ( 56)SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L7 AND L6  
L9 25 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L8 AND NC=2

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L10 26 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON L5 OR L9

→ any of these registry numbers could possibly also be Great Oil s10-13, since they contain polyglycerin oleic acid esters also.

=> d que l11

L11 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON "DIGLYCERYL MONOOLEATE"/CN

=> d l11

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN

RN 49553-76-6 REGISTRY

ED Entered STN: 16 Nov 1984

CN 9-Octadecenoic acid (9Z)-, monoester with oxybis[propanediol] (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 9-Octadecenoic acid (Z)-, monoester with oxybis[propanediol]

OTHER NAMES:

CN DGMO

CN DGMO 90

CN DGMO-C

CN Diglycerin monooleate

CN Diglycerol monooleate

CN Diglyceryl monooleate

CN Dimodan DGMO

CN DO 100

CN Emalex MOG 2

CN Grindsted PGE-O 80

CN Nikkol DGMO

CN Nikkol DGMO-C

CN Oleic acid diglycerol monoester

CN Poem DO 100

CN Poem DO 100V

CN Poem DOC 100V

CN Rikemal DO 100

CN Rylo PG 29

CN TS-T 154

FS STEREOSEARCH

DR 63103-02-6, 137803-55-5, 143718-75-6, 52783-51-4, 180064-09-9

MF C24 H46 O6

CI IDS, COM

LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, CASREACT, CHEMLIST, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFULL

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

CM 1

CRN 59113-36-9

CMF C6 H14 O5

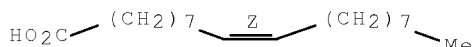
CCI IDS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 112-80-1  
CMF C18 H34 O2

Double bond geometry as shown.



366 REFERENCES IN FILE CA (1907 TO DATE)  
 3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 366 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil caplus  
 FILE 'CAPLUS' ENTERED AT 11:13:07 ON 13 JUL 2009  
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FILE COVERS 1907 - 13 Jul 2009 VOL 151 ISS 3  
 FILE LAST UPDATED: 12 Jul 2009 (20090712/ED)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2009  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

=> d que 135  
 L1 3 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON ("GREAT OIL D 10"/CN  
 OR "GREAT OIL D 11"/CN OR "GREAT OIL D 12"/CN)  
 L2 ( 21)SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON (111-01-3/BI OR  
 112-92-5/BI OR 27841-06-1/BI OR 29806-73-3/BI OR 30399-84-9/BI  
 OR 36653-82-4/BI OR 38718-97-7/BI OR 5466-77-3/BI OR 59029-17-3  
 /BI OR 61725-93-7/BI OR 661-19-8/BI OR 7299-99-2/BI OR  
 7360-38-5/BI OR 756819-20-2/BI OR 756874-77-8/BI OR 756874-78-9  
 /BI OR 756874-79-0/BI OR 83138-62-9/BI OR 9007-48-1/BI OR  
 9009-32-9/BI OR 9016-00-6/BI)

# Dennis Heyer 10/580,575

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L3 (      8)SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L2 AND C=18
L4 (    11276)SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  C3H8O3
L5      4 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L4 AND L3
L11     1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  "DIGLYCERYL MONOOLEAT
      E"/CN
L12     4 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L1
L13    706 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L5
L15   367 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L11
L16     7 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L13 AND L15
L17     7 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L13 AND L15
L35    11 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L12 OR L16 OR L17

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=> d que 136

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L1      3 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  ("GREAT OIL D 10"/CN
      OR "GREAT OIL D 11"/CN OR "GREAT OIL D 12"/CN)
L2 (    21)SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  (111-01-3/BI OR
      112-92-5/BI OR 27841-06-1/BI OR 29806-73-3/BI OR 30399-84-9/BI
      OR 36653-82-4/BI OR 38718-97-7/BI OR 5466-77-3/BI OR 59029-17-3
      /BI OR 61725-93-7/BI OR 661-19-8/BI OR 7299-99-2/BI OR
      7360-38-5/BI OR 756819-20-2/BI OR 756874-77-8/BI OR 756874-78-9
      /BI OR 756874-79-0/BI OR 83138-62-9/BI OR 9007-48-1/BI OR
      9009-32-9/BI OR 9016-00-6/BI)
L3 (      8)SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L2 AND C=18
L4 (    11276)SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  C3H8O3
L5      4 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L4 AND L3
L11     1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  "DIGLYCERYL MONOOLEAT
      E"/CN
L12     4 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L1
L13    706 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L5
L15   367 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L11
L16     7 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L13 AND L15
L17     7 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L13 AND L15
L21    155 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L13 (L) COS/RL
L26  189537 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  EMULS?/OBI
L28     87 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L21 AND L26
L29   2359 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  EMOLLIEN?/OBI
L30     11 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L21 AND L29
L31     91 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L28 OR L30
L32  273402 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  FATTY ACID#/OBI
L33     39 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L31 AND L32
L34     35 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L33 NOT (L12 OR (L16
      OR L17))
L35    11 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L12 OR L16 OR L17
L36    35 SEA FILE=CAPLUS  SPE=ON  ABB=ON  PLU=ON  L34 NOT L35

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=> d que 148

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L1      3 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  ("GREAT OIL D 10"/CN
      OR "GREAT OIL D 11"/CN OR "GREAT OIL D 12"/CN)
L2 (    21)SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  (111-01-3/BI OR
      112-92-5/BI OR 27841-06-1/BI OR 29806-73-3/BI OR 30399-84-9/BI
      OR 36653-82-4/BI OR 38718-97-7/BI OR 5466-77-3/BI OR 59029-17-3
      /BI OR 61725-93-7/BI OR 661-19-8/BI OR 7299-99-2/BI OR
      7360-38-5/BI OR 756819-20-2/BI OR 756874-77-8/BI OR 756874-78-9
      /BI OR 756874-79-0/BI OR 83138-62-9/BI OR 9007-48-1/BI OR
      9009-32-9/BI OR 9016-00-6/BI)
L3 (      8)SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L2 AND C=18
L4 (    11276)SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  C3H8O3
L5      4 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  L4 AND L3

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# Dennis Heyer 10/580,575

L11 1 SEA FILE=REGISTRY SPE=ON ABB=ON PLU=ON "DIGLYCERYL MONOOLEAT  
E"/CN  
L12 4 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L1  
L13 706 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L5  
L15 367 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L11  
L16 7 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L13 AND L15  
L17 7 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L13 AND L15  
L18 95811 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON GLYCERIDES/CW  
L21 155 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L13 (L) COS/RL  
L26 189537 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON EMULS?/OBI  
L28 87 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L21 AND L26  
L29 2359 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON EMOLLIEN?/OBI  
L30 11 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L21 AND L29  
L31 91 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L28 OR L30  
L32 273402 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON FATTY ACID#/OBI  
L33 39 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L31 AND L32  
L34 35 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L33 NOT (L12 OR (L16  
OR L17))  
L35 11 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L12 OR L16 OR L17  
L36 35 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L34 NOT L35  
L37 122 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON FUJINO J?/AU  
L38 112 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON OYAMA K?/AU  
L39 5758 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON UCHIDA K?/AU  
L40 1032 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON OKUBO Y?/AU  
L41 7012 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON (L37 OR L38 OR L39 OR  
L40)  
L42 5 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L41 AND (L12 OR L13)  
L45 50 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L41 AND L18  
L46 5 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L45 AND (L26 OR L29)  
L47 7 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L46 OR L42  
L48 3 SEA FILE=CAPLUS SPE=ON ABB=ON PLU=ON L47 NOT ((L35 OR L36))

=> d .ca hitstr l35 1-11; d .ca l36 1-35;d .ca l48 1-3

L35 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2005:1307709 CAPLUS Full-text  
DOCUMENT NUMBER: 144:27165  
TITLE: Self-emulsifiable oily solid cosmetic compositions  
INVENTOR(S): Fujino, Hitoshi; Oyama, Keiichi; Uchida, Kazuhito;  
Doi, Mikio  
PATENT ASSIGNEE(S): Nisshin Oillio Group, Ltd., Japan; Taiyo Kagaku Co.,  
Ltd.  
SOURCE: Jpn. Kokai Tokkyo Koho, 36 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005343844	A	20051215	JP 2004-167063	20040604
JP 4041475	B2	20080130		
PRIORITY APPLN. INFO.:			JP 2004-167063	20040604
ED Entered STN: 15 Dec 2005				
AB The invention relates to a self-emulsifiable oily solid cosmetic composition suitable for use in a cleansing composition and bath composition, wherein the				

composition is characterized by containing (1) polyglycerin fatty acid ester having a hydroxyl value 450-700, wherein the amount of C16-22 linear saturated fatty acid residue in the total fatty acid residue is 50-100 % , the amts. of dimer or trimer cyclic polyglycerin ,  $\geq 11$  polyglycerin, and 4-10 polyglycerin in the total polyglycerin are 0-3, 10-30, and 4-20 %, resp., and (2) an oily component. Thus, polyglycerin stearate was prepared from a polyglycerin mixture (Great Oil D 10) and stearic acid. The obtained polyglycerin stearate 16 parts was mixed with diglycerin stearate 4, 2-Et hexyl palmitate 80 parts to make a self-emulsifiable cosmetic cleansing composition

IC ICM A61K007-50  
ICS A61K007-00; C11D001-68; C11D003-20  
CC 62-4 (Essential Oils and Cosmetics)  
IT 293-51-6, Cyclotetrasiloxane 1406-18-4, Vitamin E 9009-32-9,  
Polyglycerin stearate 29806-73-3, 2-Ethyl hexyl palmitate 42131-25-9,  
Isononyl isononanoate 51330-20-2, Polyglycerin palmitate 64366-79-6,  
Polyglycerin behenate 129726-86-9, Neopentyl glycol diisooctanoate  
756874-77-8D, Great Oil D 10, reaction products with fatty acids  
756874-78-9D, Great Oil D 11, reaction products with fatty acids  
756874-79-0D, Great Oil D 12, reaction products with fatty acids  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(self-emulsifiable oily solid cosmetic compns. containing specified  
polyglycerin fatty acid esters and oily components)  
IT 756874-77-8D, Great Oil D 10, reaction products with fatty acids  
756874-78-9D, Great Oil D 11, reaction products with fatty acids  
756874-79-0D, Great Oil D 12, reaction products with fatty acids  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(self-emulsifiable oily solid cosmetic compns. containing specified  
polyglycerin fatty acid esters and oily components)  
RN 756874-77-8 CAPLUS  
CN Great Oil D 10 (9CI) (CA INDEX NAME)  
  
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
RN 756874-78-9 CAPLUS  
CN Great Oil D 11 (9CI) (CA INDEX NAME)  
  
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
RN 756874-79-0 CAPLUS  
CN Great Oil D 12 (9CI) (CA INDEX NAME)  
  
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L35 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2005:493484 CAPLUS [Full-text](#)  
DOCUMENT NUMBER: 143:31904  
TITLE: Oil-in-water-type emulsified cosmetic preparation and  
process for producing the same  
INVENTOR(S): Fujino, Jin; Ooyama, Keiichi; Uchida, Kazuhito; Okubo,  
Yasuhiro  
PATENT ASSIGNEE(S): The Nisshin Oillio Group, Ltd., Japan; Taiyo Kagaku  
Co., Ltd.  
SOURCE: PCT Int. Appl., 60 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005051334	A1	20050609	WO 2004-JP17459	20041125

# Dennis Heyer 10/580,575

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

JP 2005179335	A	20050707	JP 2004-186841	20040624
EP 1704846	A1	20060927	EP 2004-819389	20041125
R: FR				
CN 1886112	A	20061227	CN 2004-80034948	20041125
CN 100435773	C	20081126		
US 20070128146	A1	20070607	US 2006-580575	20060525
KR 2007029638	A	20070314	KR 2006-712614	20060623

PRIORITY APPLN. INFO.:

JP 2003-400590	A	20031128
JP 2004-186841	A	20040624
WO 2004-JP17459	W	20041125

ED Entered STN: 10 Jun 2005

AB Disclosed is an oil-in-water-type emulsified cosmetic preparation containing a polyglycerol fatty acid ester as a surfactant. It has high stability to temperature fluctuations and gives an excellent use feeling. The oil-in-water-type emulsified cosmetic preparation comprises (1) a surfactant comprising a polyglycerol fatty acid ester which has a hydroxy value of 450 to 700 and in which 50 to 100% by mass of all constituent fatty acid residues are accounted for by a C16-18 fatty acid residue and the polyglycerol has a specific polymerization degree distribution, (2) an oily matter, and (3) water. Thus, polyglycerin isostearate was prepared from polyglycerin (Great Oil D-10) and isostearic acid. The obtained polyglycerin isostearate 2 parts was combined with liquid paraffin 20, 1,3-butylene glycol 10, 1 % carboxyvinylpolymer solution 10, 1 % NaOH solution 2, and water balance to 10 parts to make a cosmetic emulsion.

IC ICM A61K007-00

CC 62-4 (Essential Oils and Cosmetics)

IT 30399-84-9, Isostearic acid 756874-77-8, Great Oil D 10

756874-78-9, Great Oil D 11 756874-79-0, Great Oil D 12

RL: RCT (Reactant); RACT (Reactant or reagent)

(oil-in-water-type emulsified cosmetic compns. containing polyglycerin fatty acid esters and oils, and production thereof)

IT 756874-77-8, Great Oil D 10 756874-78-9, Great Oil D 11

756874-79-0, Great Oil D 12

RL: RCT (Reactant); RACT (Reactant or reagent)

(oil-in-water-type emulsified cosmetic compns. containing polyglycerin fatty acid esters and oils, and production thereof)

RN 756874-77-8 CAPLUS

CN Great Oil D 10 (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 756874-78-9 CAPLUS

CN Great Oil D 11 (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 756874-79-0 CAPLUS

CN Great Oil D 12 (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS

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RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2005:160433 CAPLUS Full-text  
 DOCUMENT NUMBER: 142:264152  
 TITLE: Emulsified fuels and engine oil synergy  
 INVENTOR(S): Langer, Deborah A.; Bardasz, Ewa A.; Abraham, William D.  
 PATENT ASSIGNEE(S): The Lubrizol Corporation, USA  
 SOURCE: U.S. Pat. Appl. Publ., 16 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050039381	A1	20050224	US 2003-646982	20030822
US 7413583	B2	20080819		
WO 2005021691	A2	20050310	WO 2004-US26635	20040817
WO 2005021691	A3	20050421		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1664250	A2	20060607	EP 2004-781345	20040817
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
PRIORITY APPLN. INFO.:			US 2003-646982	A 20030822
			WO 2004-US26635	W 20040817

ED Entered STN: 25 Feb 2005

AB The invention relates to the use of an emulsified fuel in combination with an engine oil that shows a synergistic effect in reducing emissions such as particulate matter, hydrocarbons and/or nitrogen oxides (NO, NO2, N2O, collectively NOx) and/or reducing wear from an engine.

IC ICM C10L001-32

INCL 044301000; X4-430.2

CC 51-9 (Fossil Fuels, Derivatives, and Related Products)

IT 57-50-1D, Sucrose, ester derivs. 57-55-6, Propylene glycol, uses 86-25-9, Octyldiphenylamine 96-65-1 108-30-5D, Succinic acid anhydride, polyisobutenyl derivs., reaction products with aminoalcs. or alkylene polyamines 108-95-2D, Phenol, t-butylated derivs. 110-15-6D, Succinic acid, polyisobutenyl derivs., reaction products with aminoalcs. or alkylene polyamines 118-82-1 119-47-1 122-39-4, Diphenylamine, uses 122-39-4D, Diphenylamine, alkylated and other derivs. 122-39-4D, Diphenylamine, nonylated derivs. 123-56-8D, Succinimide, polyisobutenyl derivs. 128-37-0, 2,6-Di-tert-Butyl-4-methylphenol, uses 128-39-2, 2,6-Di-tert-butylphenol 504-75-6D, Imidazoline, derivs. 1338-43-8, Sorbitan monooleate 4130-42-1, 4-Ethyl-2,6-di-tert-butylphenol 4306-88-1, 4-Nonyl-2,6-di-tert-butylphenol 4907-58-8 4973-24-4, 4-Propyl-2,6-di-tert-butylphenol 4973-26-6 5117-19-1D, Octaethylene glycol, nonyl, decyl, and undecyl monoalkyl ethers 5138-18-1D,



# Dennis Heyer 10/580,575

Sulfosuccinic acid, salts and derivs. 5353-27-5 5530-30-3,  
 4-Butyl-2,6-di-tert-butylphenol 6484-52-2, Ammonium nitrate, uses  
 6842-15-5, Tetra propylene 7664-38-2D, Phosphoric acid, esters  
 7664-38-2D, Phosphoric acid, esters, derivs. 7664-41-7D, Ammonia,  
 reaction products with C1-C40 and C50-C500 acylating agents 8007-43-0,  
 Sorbitan sesquioleate 9005-07-6, Polyethylene glycol dioleate  
 9005-08-7, Polyethylene glycol distearate 9007-48-1  
 9011-13-6D, Styrene-maleic anhydride copolymer, esters 12694-22-3,  
 Diglycerol monostearate 15383-23-0 20170-32-5,  
 3,5-Di-tert-butyl-4-hydroxy hydrocinnamic acid 22013-70-3 25496-01-9,  
 Tridecylbenzenesulfonic acid 25496-01-9D, Tridecylbenzenesulfonic acid,  
 salts 25496-72-4, Glycerol monooleate 25637-84-7, Glycerol dioleate  
 26266-58-0, Sorbitan trioleate 26603-23-6 27176-87-0,  
 Dodecylbenzenesulfonic acid 27176-87-0D, Dodecylbenzenesulfonic acid,  
 salts 35309-87-6 36878-20-3 49553-76-6, Diglycerol  
 monooleate 50852-11-4D, Naphthalenesulfonate, salts 54392-26-6,  
 Sorbitan monoisostearate 56280-62-7 57511-45-2 63119-59-5,  
 Diglycerol distearate 67965-56-4, Diglycerol dioleate 68958-64-5  
 84015-01-0 95872-22-3 146478-45-7, Polyglycerol dioleate 199859-17-1  
 765956-84-1 816462-78-9 816462-82-5 816462-83-6 845638-98-4

RL: MOA (Modifier or additive use); USES (Uses)

(emulsified fuels and engine oil with additives with synergy for  
 enhanced performance and emissions redns.)

IT 9007-48-1 49553-76-6, Diglycerol monooleate

RL: MOA (Modifier or additive use); USES (Uses)

(emulsified fuels and engine oil with additives with synergy for  
 enhanced performance and emissions redns.)

RN 9007-48-1 CAPLUS

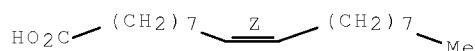
CN 1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (CA INDEX NAME)

CM 1

CRN 112-80-1

CMF C18 H34 O2

Double bond geometry as shown.



CM 2

CRN 25618-55-7

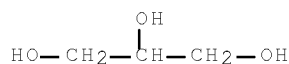
CMF (C3 H8 O3)x

CCI PMS

CM 3

CRN 56-81-5

CMF C3 H8 O3



Dennis Heyer 10/580,575

RN 49553-76-6 CAPLUS  
CN 9-Octadecenoic acid (9Z)-, monoester with oxybis[propanediol] (CA INDEX NAME)

CM 1

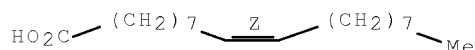
CRN 59113-36-9  
CMF C6 H14 O5  
CCI IDS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 112-80-1  
CMF C18 H34 O2

Double bond geometry as shown.



REFERENCE COUNT: 132 THERE ARE 132 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2005:54982 CAPLUS Full-text  
DOCUMENT NUMBER: 142:150257  
TITLE: Pesticidal ovicidal compositions comprising palm oil, palm kernel, or triglyceride  
INVENTOR(S): Arimoto, Yutaka  
PATENT ASSIGNEE(S): Riken Corp., Japan  
SOURCE: PCT Int. Appl., 21 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005004602	A1	20050120	WO 2004-JP9802	20040709
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2005029489	A	20050203	JP 2003-194837	20030710
EP 1645187	A1	20060412	EP 2004-747270	20040709
R: ES, GR, IT, TR				
US 20060165748	A1	20060727	US 2006-327423	20060109

Dennis Heyer 10/580,575

PRIORITY APPLN. INFO.:

JP 2003-194837

A 20030710

WO 2004-JP9802

W 20040709

ED Entered STN: 20 Jan 2005

AB Insecticidal/acaricidal/ovicidal compns. comprise as active ingredients  $\geq 1$  component selected from the group consisting of palm oil, palm kernel oil, triglycerides of C10, C12, or C14 saturated fatty acids, triglycerides of C18 unsatd. fatty acids, and triglycerides containing  $\geq 2$  types of constituent fatty acids consisting of C10, C12, or C14 saturated fatty acid and C18 unsatd. fatty acid. These pesticidal ovicidal compns. are sprayed over crops in amts. of 0.2 to 8 kg/10 are. Thus, palm oil mixed with an auxiliary agent (Actor M 2 + Rikemal B 205 + Rikemal O 71D, 1:1:1) at an 8:2 ratio, at a concentration of 300 mg/100 mL, showed 100% ovicidal effect against *Tetranychus urticae*; the same formulation gave 100% control of *Aphis gossypii*.

IC ICM A01N037-02

ICS A01N037-06

CC 5-4 (Agrochemical Bioregulators)

IT 9007-48-1, Polyglycerin oleate

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(AG 7520; pesticidal ovicidal compns. containing)

IT 9002-92-0, Rikemal B 205 49553-76-6, Rikemal DO 100

141093-35-8, Sorpol 355H

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(pesticidal ovicidal compns. containing)

IT 9007-48-1, Polyglycerin oleate

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
(AG 7520; pesticidal ovicidal compns. containing)

RN 9007-48-1 CAPLUS

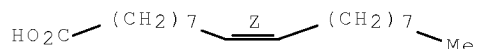
CN 1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (CA INDEX NAME)

CM 1

CRN 112-80-1

CMF C18 H34 O2

Double bond geometry as shown.



CM 2

CRN 25618-55-7

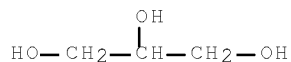
CMF (C3 H8 O3)x

CCI PMS

CM 3

CRN 56-81-5

CMF C3 H8 O3



Dennis Heyer 10/580,575

IT 49553-76-6, Rikemal DO 100  
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)  
 (pesticidal ovicidal compns. containing)  
 RN 49553-76-6 CAPLUS  
 CN 9-Octadecenoic acid (9Z)-, monoester with oxybis[propanediol] (CA INDEX  
 NAME)

CM 1

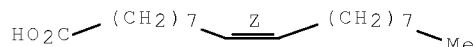
CRN 59113-36-9  
 CMF C6 H14 O5  
 CCI IDS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 112-80-1  
 CMF C18 H34 O2

Double bond geometry as shown.



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2004:995937 CAPLUS Full-text  
 DOCUMENT NUMBER: 141:415603  
 TITLE: Self-emulsifying oily liquid cosmetics containing  
 polyglycerin esters  
 INVENTOR(S): Fujino, Jin; Oyama, Keiichi; Uchida, Kazuhito  
 PATENT ASSIGNEE(S): The Nisshin Oillio Group, Ltd., Japan; Taiyo Kagaku  
 Co., Ltd.  
 SOURCE: PCT Int. Appl., 49 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004098544	A1	20041118	WO 2004-JP6469	20040507
WO 2004098544	A9	20050526		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

# Dennis Heyer 10/580,575

EP 1623694	A1	20060208	EP 2004-731725	20040507
R: FR				
CN 1784211	A	20060607	CN 2004-80012310	20040507
CN 100396274	C	20080625		
US 20060286133	A1	20061221	US 2005-556177	20051107
PRIORITY APPLN. INFO.:			JP 2003-131782	A 20030509
			JP 2003-403334	A 20031202
			WO 2004-JP6469	W 20040507

ED Entered STN: 19 Nov 2004

AB A self-emulsifying oily liquid cosmetic comprises 8 to 30 % by mass of the following component (A) and 50 to 92 % by mass of the following component (B): component (A): a polyglycerin fatty acid ester component having a hydroxyl value of 450 to 700, wherein C16-18 branched fatty acid residues and/or C16-18 straight-chain unsatd. fatty acid residues account for 50 to 100 % by mass of the whole constituent fatty acid residue component and the total content of cyclic di- and tri-glycerin in the polyglycerin component constituting the polyglycerin fatty acid ester component and that of undecaglycerin and higher polyglycerins therein are 0 to 3 % and 10 to 30 % resp. with the contents of tetra- to deca-glycerins therein being each 4 to 20 %, and component (B): an oily component. For example, a skin cleanser contained polyglycerin oleate 15.0, diglycerin oleate (hydroxy value 410) 2.0, soy lecithin 1, palmityl isooctanoate 39.5, neopentyl glycol diisooctanoate 20, paraffin oils 5, isononyl isononanoate 15, cyclotetrasiloxane 0.5, vitamin E 1, perfumes 0.5, and distilled water 0.5 %.

IC ICM A61K007-00

CC 62-3 (Essential Oils and Cosmetics)

IT 9007-48-1, Polyglycerin oleate 59029-17-3, Diglycerin oleate 83138-62-9, Polyglycerin isostearate 756819-20-2 756874-77-8D, Great Oil D 10, C16-18 fatty acid esters 756874-78-9D, Great Oil D 11, C16-18 fatty acid esters 756874-79-0D, Great Oil D 12, C16-18 fatty acid esters

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(self-emulsifying oily liquid cosmetics containing polyglycerin esters)

IT 756874-77-8D, Great Oil D 10, C16-18 fatty acid esters

756874-78-9D, Great Oil D 11, C16-18 fatty acid esters

756874-79-0D, Great Oil D 12, C16-18 fatty acid esters

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(self-emulsifying oily liquid cosmetics containing polyglycerin esters)

RN 756874-77-8 CAPLUS

CN Great Oil D 10 (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 756874-78-9 CAPLUS

CN Great Oil D 11 (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 756874-79-0 CAPLUS

CN Great Oil D 12 (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:756337 CAPLUS Full-text

DOCUMENT NUMBER: 141:265588

TITLE: Self-emulsifiable oily liquid cosmetics containing polyglycerin fatty acid esters

INVENTOR(S): Fujino, Hitoshi; Oyama, Keiichi; Uchida, Kazuhito

PATENT ASSIGNEE(S): Nisshin Oil Mills Ltd., Japan; Taiyo Kagaku Co., Ltd.

Dennis Heyer 10/580,575

SOURCE: Jpn. Kokai Tokyo Koho, 25 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2004256514	A	20040916	JP 2003-403333	20031202
JP 3891982	B2	20070314		

PRIORITY APPLN. INFO.: JP 2003-29937 A 20030206

ED Entered STN: 16 Sep 2004

AB The cosmetics contain 8-30 weight% polyglycerin fatty acid esters (HLB 11.0-15.0) comprising fatty acid residues containing 50-100 weight% C16-18 branched fatty acid residues and/or C16-18 straight-chain unsatd. fatty acid residues and polyglycerin having compositional ratios of polyglycerin cyclic dimers and trimers (in total) 0-3,  $\geq$ 11-mer polyglycerin (in total) 10-30, and 4- to 10-mer polyglycerin (each) 4-20% and 50-92 weight% oily ingredients. A skin cleanser containing polyglycerin oleate (HLB 12.5) 16.0, diglycerin isostearate 4.0, and isooctyl palmitate 80.0 weight% showed high detergency and no separation or precipitation after 6-mo storage at 5, 25, or 40°.

IC ICM A61K007-00

ICS A61K007-02; A61K007-50

CC 62-4 (Essential Oils and Cosmetics)

IT 756874-77-8, Great Oil D 10 756874-78-9, Great Oil D 11

756874-79-0, Great Oil D 12

RL: RCT (Reactant); RACT (Reactant or reagent)

(storage-stable self-emulsifiable oily liquid cosmetics containing polyglycerin fatty acid esters)

IT 756874-77-8, Great Oil D 10 756874-78-9, Great Oil D 11

756874-79-0, Great Oil D 12

RL: RCT (Reactant); RACT (Reactant or reagent)

(storage-stable self-emulsifiable oily liquid cosmetics containing polyglycerin fatty acid esters)

RN 756874-77-8 CAPLUS

CN Great Oil D 10 (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 756874-78-9 CAPLUS

CN Great Oil D 11 (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

RN 756874-79-0 CAPLUS

CN Great Oil D 12 (9CI) (CA INDEX NAME)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

L35 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:739944 CAPLUS Full-text

DOCUMENT NUMBER: 141:245256

TITLE: Water-in-oil emulsions containing solvents, water, and surfactants

INVENTOR(S): Filippini, Brian B.; Mullay, John J.; Langer, Deborah A.; Carey, Jeffrey M.; Dix, Robert W.

PATENT ASSIGNEE(S): The Lubrizol Corporation, USA

SOURCE: U.S. Pat. Appl. Publ., 17 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040176263	A1	20040909	US 2003-383188	20030306
US 7176174	B2	20070213		
WO 2004081124	A2	20040923	WO 2004-US6628	20040304
WO 2004081124	A3	20041104		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2003-383188 A 20030306

OTHER SOURCE(S): MARPAT 141:245256

ED Entered STN: 10 Sep 2004

AB A water-in-oil emulsion composition is disclosed. The composition contains (A) a solvent, (B) water, and (C) a surfactant. This composition is suitable for removing non-aqueous coatings such as paints and the like as well as waxes and greases from substrates.

IC ICM C11D017-00

INCL 510201000; X51-041.7

CC 46-1 (Surface Active Agents and Detergents)

IT 56-81-5D, Glycerol, esters 57-50-1D, Sucrose, ester 67-64-1, Acetone, uses 75-09-2, Methylene chloride, uses 78-93-3, Methyl ethyl ketone, uses 108-88-3, Toluene, uses 110-15-6D, Succinic acid, polyisobutene substituted, reaction products with alkanol amine, uses 127-18-4, Perchloroethylene, uses 627-93-0, Dimethyl adipate 872-50-4, N-Methyl pyrrolidone, uses 1119-40-0, Dimethyl glutarate 1330-20-7, Xylene, uses 1338-43-8, Sorbitan monooleate 7664-41-7D, Ammonia, reaction products with polycarboxylic acylating agents 7732-18-5, Water, uses 8007-43-0, Sorbitan sesquioleate 9002-88-4D, Polyethylene, carboxylic acid derivs. 9003-07-0D, Polypropylene, carboxylic acid derivs. 9003-27-4D, Polyisobutene, carboxylic acid derivs. 9004-98-2, Poly(ethylene glycol) monooleyl ether 9005-07-6, Polyethylene glycol dioleate 9005-08-7, Polyethylene glycol distearate 9005-53-2, Lignin, uses 9007-48-1, Polyglycerol oleate 9010-85-9D, Isobutene-isoprene copolymer, carboxylic acid derivs. 12694-22-3, Diglycerol monostearate 25496-01-9, Tridecylbenzene sulfonic acid 25496-72-4, Glycerol monooleate 26266-58-0, Sorbitan trioleate 26588-90-9D, Butadiene-isobutene copolymer, carboxylic acid derivs. 27176-87-0, Dodecyl benzene sulfonic acid 49553-76-6, Diglycerol monooleate 50852-11-4, Naphthalene sulfonate 54392-26-6, Sorbitan monoisostearate 63119-59-5, Diglycerol distearate 67965-56-4, Diglycerol dioleate 146478-45-7, Polyglycerol dioleate

RL: TEM (Technical or engineered material use); USES (Uses)

(water-in-oil emulsions containing solvents, water, and surfactants)

IT 9007-48-1, Polyglycerol oleate 49553-76-6, Diglycerol monooleate

RL: TEM (Technical or engineered material use); USES (Uses)

(water-in-oil emulsions containing solvents, water, and surfactants)

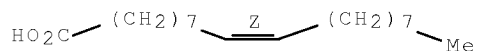
RN 9007-48-1 CAPLUS

CN 1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (CA INDEX NAME)

CM 1

CRN 112-80-1  
CMF C18 H34 O2

Double bond geometry as shown.

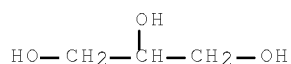


CM 2

CRN 25618-55-7  
CMF (C3 H8 O3)x  
CCI PMS

CM 3

CRN 56-81-5  
CMF C3 H8 O3



RN 49553-76-6 CAPLUS  
CN 9-Octadecenoic acid (9Z)-, monoester with oxybis[propanediol] (CA INDEX NAME)

CM 1

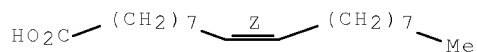
CRN 59113-36-9  
CMF C6 H14 O5  
CCI IDS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 112-80-1  
CMF C18 H34 O2

Double bond geometry as shown.



REFERENCE COUNT: 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN



# Dennis Heyer 10/580,575

ACCESSION NUMBER: 1999:584805 CAPLUS Full-text  
DOCUMENT NUMBER: 131:219019  
TITLE: Cleansing products with improved moisturization  
INVENTOR(S): Wagner, Julie Ann; Hasenoehrl, Erik John; Fowler, Timothy John  
PATENT ASSIGNEE(S): The Procter & Gamble Company, USA  
SOURCE: U.S., 18 pp., Cont.-in-part of U.S. Ser. No. 861,748, abandoned.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5951991	A	19990914	US 1997-980096	19971126
ZA 9804257	A	19981123	ZA 1998-4257	19980520
CA 2289608	A1	19981126	CA 1998-2289608	19980520
CA 2289608	C	20070410		
WO 9852538	A1	19981126	WO 1998-IB786	19980520
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CB, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9872274	A	19981211	AU 1998-72274	19980520
AU 740842	B2	20011115		
EP 1011628	A1	20000628	EP 1998-919401	19980520
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 2001517241	T	20011002	JP 1998-550179	19980520
CN 1191818	C	20050309	CN 1998-806749	19980520
MX 9910791	A	20000430	MX 1999-10791	19991122
PRIORITY APPLN. INFO.:			US 1997-861748	B2 19970522
			US 1997-980096	A 19971126
			WO 1998-IB786	W 19980520

ED Entered STN: 17 Sep 1999

AB The present invention relates to a substantially dry, disposable, personal cleansing product useful for both cleansing and conditioning the skin or hair. These products are used by the consumer by wetting the dry product with water. The product comprises of a water insol. substrate, a lathering surfactant, and a conditioning emulsion. The invention also encompasses methods for cleansing and conditioning the skin or hair using these products and to methods for manufacturing these products. A surfactant phase was prepared containing Polyquaternium 10, di-Na EDTA, ammonium laureth sulfate, ammonium lauryl sulfate, Na lauroamphoacetate, butylene glycol, Glydant plus, and water. The 2nd conditioning emulsion phase contains sucrose cotton and behenate fatty esters, polyglyceryl-4 isostearate, cetyl dimethicone, hexyl laurate, and glycerol.

IC ICM A61K007-00

ICS A61K007-06; A01N025-34

INCL 424401000

CC 62-4 (Essential Oils and Cosmetics)

IT 50-21-5, biological studies 50-23-7, Hydrocortisone 50-70-4, Sorbitol, biological studies 50-81-7, L-Ascorbic acid, biological studies 56-81-5, 1,2,3-Propanetriol, biological studies 57-13-6, Urea, biological studies 57-50-1D, Sucrose, fatty acid esters 57-55-6,

# Dennis Heyer 10/580,575

1,2-Propanediol, biological studies 57-88-5D, Cholesterol, esters 68-26-8, Retinol 69-72-7, biological studies 79-14-1, biological studies 79-81-2, Retinyl palmitate 81-13-0, Panthenol 83-86-3, Phytic acid 94-36-0, Benzoyl peroxide, biological studies 96-26-4, Dihydroxyacetone 98-92-0, Niacinamide 101-20-2, 3,4,4'-Trichlorocarbanilide 107-36-8D, Ethanesulfonic acid, 2-hydroxy-, coco acyl esters, salts 107-41-5, Hexylene glycol 108-46-3, Resorcinol, biological studies 122-99-6, Phenoxyethanol 123-99-9, Nonanedioic acid, biological studies 131-57-7, Oxybenzone 137-16-6, Sodium lauroyl sarcosinate 151-21-3, Sodium lauryl sulfate, biological studies 302-79-4, trans-Retinoic acid 616-91-1, N-Acetyl-L-cysteine 693-33-4 770-35-4, Phenoxyisopropanol 1120-01-0, Sodium cetyl sulfate 1337-30-0, Sorbitan laurate 1338-43-8, Sorbitan monooleate 1643-20-5, Lauramine oxide 2235-54-3, Ammonium lauryl sulfate 3380-34-5 3737-57-3 4316-74-9D, Ethanesulfonic acid, 2-(methylamino)-, monosodium salt, N-coco acyl derivs. 4759-48-2 5466-77-3, 2-Ethylhexyl p-methoxycinnamate 7381-01-3, Sodium lauroyl isethionate 8007-43-0, Sorbitan sesquioleate 9002-88-4, Polyethylene 9002-89-5, Polyvinyl alcohol 9003-07-0, Polypropylene 9003-20-7, Polyvinyl acetate 9004-82-4, Sodium laureth sulfate 9004-98-2, Oleth-3 9005-00-9, Steareth-2 9005-65-6, Polysorbate 80 9007-48-1, Polyglycerol oleate 9009-32-9, Polyglycerol stearate 12694-22-3, Diglycerol monostearate 12764-60-2, Decaglycerol distearate 13557-75-0 14350-97-1, Disodium lauroamphodiacetate 15687-27-1, Ibuprofen 16177-21-2D, Sodium glutamate, N-coco acyl derivs. 22204-53-1, Naproxen 25322-68-3 25322-69-4 25496-72-4, Glyceryl oleate 26266-57-9, Sorbitan palmitate 26266-58-0, Sorbitan trioleate 26657-96-5, Glyceryl monopalmitate 26658-19-5, Sorbitan tristearate 26855-43-6, Triglycerol monostearate 27195-16-0, Sucrose distearate 27503-81-7, 2-Phenylbenzimidazole-5-sulfonic acid 28874-51-3 29656-68-6, Ethylhexanediol 29923-31-7 30233-64-8, Glyceryl monobehenate 30364-51-3, Sodium myristoyl sarcosinate 31566-31-1, Glyceryl monostearate 32612-48-9, Ammonium laureth sulfate 36574-66-0D, N-coco acyl derivs. 37266-93-6, Sucrose laurate 37318-31-3, Sucrose stearate 38517-37-2 39529-26-5, Decaglycerol decastearate 41593-38-8, Phenoxypropanol 42415-69-0 42566-88-1 49553-76-6, Diglycerol monooleate 53240-01-0, Decyl polyglucose 54116-08-4, Sodium trideceth sulfate 54392-26-6, Sorbitan monoisostearate 57828-26-9, Lipoic acid 68003-46-3, Ammonium lauroyl sarcosinate 71012-10-7, Tetraglycerol monooleate 71617-69-1, Sorbitan dipalmitate 71902-01-7, Sorbitan isostearate 79777-30-3, Decaglycerol monostearate 83138-62-9, Polyglycerol isostearate 86880-59-3D, N-coco acyl derivs. 94031-23-9, Sucrose trilaurate 95461-64-6, Decaglycerol pentastearate 99550-56-8, Polyglycerol tristearate 100895-09-8, Hexadecanoic acid, diester with decaglycerol 115515-88-3, Decaglycerol stearate 120146-98-7, Polyglycerol pentastearate 122703-32-6, Methyl glucose dioleate 138985-20-3, Methyl glucose sesquiisostearate 145686-74-4, Laurylmethicone copolyol 167817-58-5, Lauryl polyglucose

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(cleansing products with improved moisturization)

IT 9007-48-1, Polyglycerol oleate 9009-32-9, Polyglycerol stearate 49553-76-6, Diglycerol monooleate 83138-62-9, Polyglycerol isostearate

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(cleansing products with improved moisturization)

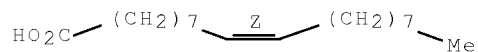
RN 9007-48-1 CAPLUS

CN 1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (CA INDEX NAME)

CM 1

CRN 112-80-1  
CMF C18 H34 O2

Double bond geometry as shown.

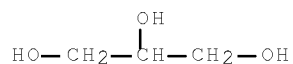


CM 2

CRN 25618-55-7  
CMF (C3 H8 O3)x  
CCI PMS

CM 3

CRN 56-81-5  
CMF C3 H8 O3



RN 9009-32-9 CAPLUS  
CN 1,2,3-Propanetriol, homopolymer, octadecanoate (CA INDEX NAME)

CM 1

CRN 57-11-4  
CMF C18 H36 O2

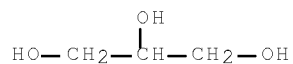


CM 2

CRN 25618-55-7  
CMF (C3 H8 O3)x  
CCI PMS

CM 3

CRN 56-81-5  
CMF C3 H8 O3



RN 49553-76-6 CAPLUS  
 CN 9-Octadecenoic acid (9Z)-, monoester with oxybis[propanediol] (CA INDEX NAME)

CM 1

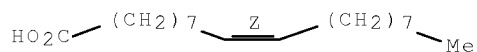
CRN 59113-36-9  
 CMF C6 H14 O5  
 CCI IDS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 112-80-1  
 CMF C18 H34 O2

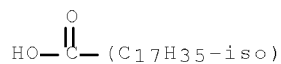
Double bond geometry as shown.



RN 83138-62-9 CAPLUS  
 CN 1,2,3-Propanetriol, homopolymer, isooctadecanoate (CA INDEX NAME)

CM 1

CRN 30399-84-9  
 CMF C18 H36 O2  
 CCI IDS

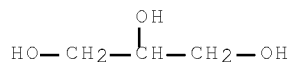


CM 2

CRN 25618-55-7  
 CMF (C3 H8 O3)x  
 CCI PMS

CM 3

CRN 56-81-5  
 CMF C3 H8 O3



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REFERENCE COUNT: 72 THERE ARE 72 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L35 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1997:587115 CAPLUS Full-text  
 DOCUMENT NUMBER: 127:283176  
 ORIGINAL REFERENCE NO.: 127:55215a  
 TITLE: Bath preparations  
 INVENTOR(S): Miura, Takao  
 PATENT ASSIGNEE(S): Earth Chemical Co., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 15 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09227357	A	19970902	JP 1996-29711	19960216
PRIORITY APPLN. INFO.:			JP 1996-29711	19960216

OTHER SOURCE(S): MARPAT 127:283176

ED Entered STN: 13 Sep 1997

AB Bath preps. comprise: (A) fats and oils or hydrophobic active ingredients and (B)  $\leq 1$  surfactants having specified structures or having cloud point  $\leq 40^\circ$ . A bath preparation contained cetyl isooctanoate 8, 2-octyldodecanol 8, liquid paraffin 24, oleic acid 6, phenoxyethanol 1, perfumes 0.5, yellow color number 4 0.2, NaOH (pH adjuster) and purified water to 100 weight%.

IC ICM A61K007-50

ICS A61K007-00; A61K007-48

CC 62-4 (Essential Oils and Cosmetics)

IT 56-86-0D, L-Glutamic acid, N-coco acyl, triethanol amine salt, biological studies 56-86-0D, L-Glutamic acid, N-coco acyl, triethanolamine salt, biological studies 57-10-3, Hexadecanoic acid, biological studies 57-11-4, Octadecanoic acid, biological studies 57-88-5, Cholesterol, biological studies 57-88-5D, Cholesterol, lanolin fatty acid derivs. 60-33-3, 9,12-Octadecadienoic acid (Z,Z)-, biological studies 77-90-7, Acetyltributyl citrate 107-51-7, Octamethyltrisiloxane 111-01-3, Squalane 112-05-0, Nonanoic acid 112-80-1, Oleic acid, biological studies 112-85-6, Docosanoic acid 122-32-7, Glycerin trioleate 143-07-7, Lauric acid, biological studies 143-28-2 302-79-4, Retinoic acid 334-48-5, n-Capric acid 373-49-9, Palmitoleic acid 463-40-1 489-84-9, Guaiazulene 506-26-3,  $\gamma$ -Linolenic acid 506-32-1, Arachidonic acid 538-24-9, Glycerin trilaurate 540-97-6, Dodecamethylcyclhexasiloxane 544-63-8, Myristic acid, biological studies 928-24-5, Ethylene glycol dioleate 1338-43-8, Sorbitan monooleate 1343-98-2D, Silicic acid, trimethylsiloxyl 1783-84-2, Dihomo  $\gamma$ -Linolenic acid 2627-35-2 2915-57-3 3397-65-7, N-Lauroyl-L-glutamic acid 5333-42-6, 2-Octyldodecanol 6145-69-3 6217-54-5, Docosahexaenoic acid 6938-94-9, Diisopropyl adipate 7360-38-5, Glyceryl tri-2-ethylhexanoate 7423-32-7, Sodium laurylphosphate 9004-57-3, Ethyl cellulose 9007-48-1, Polyglycerol oleate 10417-94-4, Eicosapentaenoic acid 11042-64-1,  $\gamma$ -Oryzanol 22801-45-2, 2-Octyldodecyl oleate 27458-93-1, Isostearyl alcohol 28802-61-1, Guaiazulene sulfonic acid 29923-31-7 30399-84-9D, Isostearic acid, condensation products with polypeptides 31335-74-7, Neopentyl glycol dioctanoate 31566-31-1, Glycerol monostearate 34316-64-8, Hexyl laurate 36144-57-7, Sodium oleylphosphate 38079-62-8, Disodium stearoyl-L-glutamate

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49553-76-6, DiGlycerol monooleate 51192-09-7 53824-77-4,  
 Propylene glycol dicaprate 56827-95-3, Tripalmityl phosphate  
 57568-20-4, 2-Octyldodecyl lactate 59130-69-7, Cetyl 2-ethylhexanoate  
 61725-89-1 61827-84-7 62125-22-8, Pentaerythritol tetraistearate  
 62306-33-6, Octamethylcyclopentasiloxane 67965-56-4, DiGlycerol dioleate  
 68171-33-5, Isopropyl isostearate 68541-50-4, Trimethylolpropane  
 triistearate 72576-80-8, Isostearyl palmitate 72642-92-3  
 77035-99-5, Hexadecene-Vinyl pyrrolidone copolymer 77553-62-9  
 82204-94-2 86846-21-1, Polyoxyethylene glycerol triistearate  
 89353-55-9 93682-38-3 127770-27-8, Isocetyl palmitate  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)

(bath prepns.)

IT 9007-48-1, Polyglycerol oleate 49553-76-6, DiGlycerol  
 monooleate  
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES  
 (Uses)

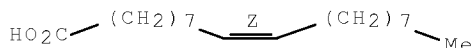
(bath prepns.)

RN 9007-48-1 CAPLUS  
 CN 1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (CA INDEX NAME)

CM 1

CRN 112-80-1  
 CMF C18 H34 O2

Double bond geometry as shown.

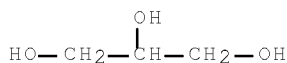


CM 2

CRN 25618-55-7  
 CMF (C3 H8 O3)x  
 CCI PMS

CM 3

CRN 56-81-5  
 CMF C3 H8 O3



RN 49553-76-6 CAPLUS  
 CN 9-Octadecenoic acid (9Z)-, monoester with oxybis[propanediol] (CA INDEX  
 NAME)

CM 1

CRN 59113-36-9  
 CMF C6 H14 O5  
 CCI IDS, MAN

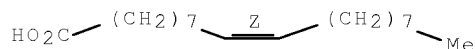
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 112-80-1

CMF C18 H34 O2

Double bond geometry as shown.



L35 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1997:240526 CAPLUS Full-text

DOCUMENT NUMBER: 126:224529

ORIGINAL REFERENCE NO.: 126:43423a, 43426a

TITLE: A fatty acid esters composition of a polyglycerin, a process for the preparation thereof, a process for the preparation of a highly-purified fatty esters composition of a polyglycerin, a highly-purified fatty esters composition of a polyglycerin, an additive for food-stuffs, a resin composition, and a composition for cosmetics or detergents

PATENT ASSIGNEE(S): Japan

SOURCE: Eur. Pat. Appl., 96 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

PATENT INFORMATION:

PATENT NO. -----	KIND ----	DATE -----	APPLICATION NO. -----	DATE -----
EP 758641 A1		19970219	EP 1996-400562	19960318
R: DE, FR, GB				
PRIORITY APPLN. INFO.:			JP 1995-227073	19950811
			JP 1995-233180	19950821
			JP 1995-344844	19951206
			JP 1996-6743	19960118
			JP 1996-8372	19960122
			JP 1996-8373	19960122
			JP 1996-10831	19960125
			JP 1996-10832	19960125
			JP 1996-16343	19960201
			JP 1996-16344	19960201
			JP 1996-16345	19960201
			JP 1996-18579	19960205
			JP 1996-18580	19960205
			JP 1996-18581	19960205
			JP 1996-22642	19960208
			JP 1996-22643	19960208
			JP 1996-22644	19960208
			JP 1996-22645	19960208

ED Entered STN: 14 Apr 1997

AB Disclosed are a fatty acid ester composition of a polyglycerin containing more than 70% of fatty acid monoester which is defined by a specified anal. method, a process for the preparation thereof, a process for the preparation of a

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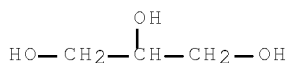
highly-purified fatty acid ester composition of a polyglycerin, and a highly-purified fatty acid composition of a polyglycerin having an oxirane oxygen concentration of below 100 ppm which is defined by a specified anal. method. The fatty acid esters of a polyglycerin are useful as additives for a variety of food-stuffs, additives for a variety of thermoplastic resins, and as additives for a variety of cosmetics or detergents.

IC ICM C07C069-33  
ICS C07C067-26; A61K007-00; C08K005-103; C11D001-66; A23L001-03  
CC 17-9 (Food and Feed Chemistry)  
Section cross-reference(s): 62  
IT 115-77-5DP, fatty acid ester derivs 9009-32-9P, Polyglycerol stearate 25618-55-7DP, Polyglycerin, fatty acid esters 34406-66-1P, Decaglycerol monolaurate 74504-64-6P, Polyglycerol laurate 75719-57-2P, Octaglycerin monostearate 163633-72-5P  
RL: FFD (Food or feed use); MOA (Modifier or additive use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(comps. of fatty acid esters of polyglycerins)  
IT 7360-38-5 34406-66-1, Sunsoft Q 12S 49553-76-6 51033-38-6, SY-Glyster ML 500 54392-26-6, Sorbitan monoisostearate 71012-10-7, SY-Glyster MO 310 75798-42-4, SY-Glyster ML 310 79665-93-3, SY-Glyster MO 750 95461-65-7, SY-Glyster MS 500 125622-15-3, Poem J 0021 149175-65-5, Poem J 6021 188132-58-3, Unigly GO 106  
RL: FFD (Food or feed use); MOA (Modifier or additive use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(comps. of fatty acid esters of polyglycerins)  
IT 9009-32-9P, Polyglycerol stearate  
RL: FFD (Food or feed use); MOA (Modifier or additive use); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(comps. of fatty acid esters of polyglycerins)  
RN 9009-32-9 CAPLUS  
CN 1,2,3-Propanetriol, homopolymer, octadecanoate (CA INDEX NAME)  
  
CM 1  
  
CRN 57-11-4  
CMF C18 H36 O2



CM 2  
  
CRN 25618-55-7  
CMF (C3 H8 O3)x  
CCI PMS

CM 3  
  
CRN 56-81-5  
CMF C3 H8 O3





IT 49553-76-6  
 RL: FFD (Food or feed use); MOA (Modifier or additive use); THU  
 (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (compns. of fatty acid esters of polyglycerins)  
 RN 49553-76-6 CAPLUS  
 CN 9-Octadecenoic acid (9Z)-, monoester with oxybis[propanediol] (CA INDEX  
 NAME)

CM 1

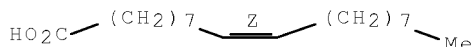
CRN 59113-36-9  
 CMF C6 H14 O5  
 CCI IDS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 112-80-1  
 CMF C18 H34 O2

Double bond geometry as shown.



L35 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1993:562075 CAPLUS [Full-text](#)  
 DOCUMENT NUMBER: 119:162075  
 ORIGINAL REFERENCE NO.: 119:29045a,29048a  
 TITLE: Vinyl chloride polymer compositions with improved  
 processability  
 INVENTOR(S): Takatori, Katsuyuki; Shiichi, Ichiro; Ishizuka,  
 Hidehiro  
 PATENT ASSIGNEE(S): Asahi Denka Kogyo KK, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 05059242	A	19930309	JP 1991-224398	19910904
PRIORITY APPLN. INFO.:			JP 1991-224398	19910904

ED Entered STN: 16 Oct 1993

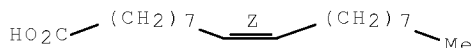
AB The title compns. with good heat resistance, transparency, and initial color, useful for food packaging stretch film, contain vinyl chloride polymers 100, polyester plasticizers 10-60, nonionic surfactants 0.1-10, and alkyl (meth)acrylate polymers with ≤50 number-average d.p. 0.05-10 parts. Thus, Geon 103EP 100, polyester plasticizer (prepared from adipic acid, 1,3-butanediol, myristic acid, and palmitic acid, mol. weight 2100, acid value 0.2, OH-value 15) 40, epoxidized soybean oil 8, Ca oleate 0.1, Zn ricinoleate 0.1, Zn octylate 0.1, sorbitan monolaurate 2.0, tris(nonylphenyl) phosphite

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0.5, and 2-ethylhexyl acrylate-cymene telomer dioctyltin salt (d.p. 11.8) 0.3 part were roll kneaded with low roll-staining and good roll-releasability. Then, the composition was pressed at 160° and 150 kg/cm2 for 5 min to obtain a sheet showing good transparency and initial coloring property.

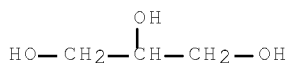
IC ICM C08L027-06  
ICS C08K005-04; C08L027-06  
ICI C08L027-06, C08L067-02, C08L033-06  
CC 38-3 (Plastics Fabrication and Uses)  
IT 9007-48-1, Polyglycerol monooleate  
RL: USES (Uses)  
(oligomeric, surfactants, PVC blend packaging films containing)  
IT 1338-39-2, Sorbitan monolaurate 25322-68-3D, laurylalkoxy derivs.  
49553-76-6, Diglycerol monooleate  
RL: USES (Uses)  
(surfactants, PVC blend packaging films containing)  
IT 9007-48-1, Polyglycerol monooleate  
RL: USES (Uses)  
(oligomeric, surfactants, PVC blend packaging films containing)  
RN 9007-48-1 CAPLUS  
CN 1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (CA INDEX NAME)  
  
CM 1  
  
CRN 112-80-1  
CMF C18 H34 O2

Double bond geometry as shown.



CM 2  
  
CRN 25618-55-7  
CMF (C3 H8 O3)x  
CCI PMS

CM 3  
  
CRN 56-81-5  
CMF C3 H8 O3



IT 49553-76-6, Diglycerol monooleate  
RL: USES (Uses)  
(surfactants, PVC blend packaging films containing)  
RN 49553-76-6 CAPLUS  
CN 9-Octadecenoic acid (9Z)-, monoester with oxybis[propanediol] (CA INDEX NAME)  
  
CM 1

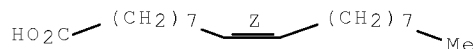
CRN 59113-36-9  
 CMF C6 H14 O5  
 CCI IDS, MAN

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

CM 2

CRN 112-80-1  
 CMF C18 H34 O2

Double bond geometry as shown.



L36 ANSWER 1 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2008:1454475 CAPLUS Full-text  
 DOCUMENT NUMBER: 150:4860  
 TITLE: Oil-in-water emulsion and its use for the  
 delayed release of active elements  
 INVENTOR(S): Phan, Van Anh; Godinot, Nicolas; Sagalowicz, Laurent;  
 Leser, Martin; Robert, Fabien  
 PATENT ASSIGNEE(S): Nestec S.A., Switz.  
 SOURCE: PCT Int. Appl., 47pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008145744	A1	20081204	WO 2008-EP56717	20080530
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
WO 2008145183	A1	20081204	WO 2007-EP55240	20070530
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR,			

# Dennis Heyer 10/580,575

TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,  
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,  
 GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPLN. INFO.:

WO 2007-EP55240

A 20070530

ED Entered STN: 04 Dec 2008

AB An oil-in-water emulsion used for delayed release of active elements (e.g., flavors, vitamins, antioxidants, etc.) is structured so that the interior of oil droplets exhibit interfaces, between lipophilic domains and hydrophilic or amphiphilic domains, due to the presence of a lipophilic additive solubilized inside the oil droplets and which is used for delayed release of the active elements. The release of at least one active element (octanol/water partitioning coefficient logP higher than -1) corresponds to a higher Tmax (time to reach maximum concentration) than the Tmax obtained for the simple reference oil-in-water emulsion where no lipophilic additive is used. Thus, an emulsion may be formed by dispersing 0.407% Epikuron 200 (phospholipid), 0.613% diglycerides, 0.0999% Tween 80, and 98.881% water, the oil droplets containing phospholipids, diglycerides, and Tween 80 being structured by the phospholipids.

CC 17-4 (Food and Feed Chemistry)  
 Section cross-reference(s): 62, 63

ST emulsion flavor vitamin antioxidant glyceride delayed release

IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (PEGylated; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT Surfactants  
 (amphiphilic, Gemini; oil-in-water emulsions for delayed  
 release of flavors, nutrients, or other active components)

IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (arachidonic-rich; oil-in-water emulsions for delayed release  
 of flavors, nutrients, or other active components)

IT Polymers, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (block; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT Micelles  
 (casein; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT Glycerophospholipids  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (cephalins; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT Polymers, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (co-, random; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT Sterols  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (esters, phyto-; oil-in-water emulsions for delayed release  
 of flavors, nutrients, or other active components)

- IT Monoglycerides  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (esters, with diacetyltartaric acid; oil-in-water emulsions  
 for delayed release of flavors, nutrients, or other active components)
- IT Diglycerides  
 Monoglycerides  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (esters, with lactic acid; oil-in-water emulsions for delayed  
 release of flavors, nutrients, or other active components)
- IT Plantae  
 Plants  
 (exts.; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Vitamins  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (fat-soluble; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (fish; oil-in-water emulsions for delayed release of flavors,  
 nutrients, or other active components)
- IT Glycosides  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (flavanone; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Glycosides  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (flavonoid; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Tannins  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (gallotannins; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Flavones  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (hydroxy; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Flavones  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (isoflavone glycosides; oil-in-water emulsions for delayed  
 release of flavors, nutrients, or other active components)
- IT Glycosides  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (isoflavone; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Flavones  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (isoflavones; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

- IT Alcohols, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (long-chain; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Glycerides, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (medium-chain; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Caseins, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (metal complexes; oil-in-water emulsions for delayed release  
 of flavors, nutrients, or other active components)
- IT Proteins  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (milk; oil-in-water emulsions for delayed release of flavors,  
 nutrients, or other active components)
- IT Essential oils  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (mint, Mentha; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Lipids, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (oat; oil-in-water emulsions for delayed release of flavors,  
 nutrients, or other active components)
- IT Agrochemicals  
 Antioxidants  
 Cosmetic emulsions  
 Dietary supplements  
   Emulsification  
 Eubacteria  
 Flavor  
 Flavoring materials  
 Food additives  
 Food emulsions  
 Hydrophile-lipophile balance value  
 Microparticles  
 Nanoparticles  
 Nutrients  
 Odor and Odorous substances  
 Pharmaceutical emulsions  
 Phytochemicals  
 Polyelectrolytes  
 Portulaca oleracea  
 Powders  
 Surfactants  
 (oil-in-water emulsions for delayed release of flavors,  
 nutrients, or other active components)
- IT Albumins, biological studies  
 Alcohols, biological studies  
 Amino acids, biological studies  
 Apoproteins  
 Biopolymers  
 Carbohydrates, biological studies  
 Carotenes, biological studies

Caseins, biological studies  
 Cerebrosides  
 DNA  
 Diglycerides  
 Enzymes, biological studies  
 Essential oils  
 Esters, biological studies  
     Fatty acids, biological studies  
 Flavanols  
 Gangliosides  
 Gelatins, biological studies  
 Glycerides, biological studies  
 Glycerophospholipids  
 Glycolipids  
 Glycoproteins  
 Hormones, animal, biological studies  
 Hydrocarbon oils  
 Lecithins  
 Linseed oil  
 Lipids, biological studies  
 Monoglycerides  
 Nucleic acids  
 Paraffin oils  
 Peptides, biological studies  
 Phospholipids, biological studies  
 Polyoxyalkylenes, biological studies  
 Polysaccharides, biological studies  
 Proanthocyanidins  
 Protein hydrolyzates  
 Proteins  
 Salts, biological studies  
 Soybean oil  
 Sterols  
 Sulfates, biological studies  
 Sulfatides  
 Terpenes, biological studies  
 Vitamins  
 Waxes

RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
     (oil-in-water emulsions for delayed release of flavors,  
     nutrients, or other active components)

IT Emulsions  
     (oil-in-water; oil-in-water emulsions for delayed release of  
     flavors, nutrients, or other active components)

IT Flavonoids  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
     (oxo dihydro; oil-in-water emulsions for delayed release of  
     flavors, nutrients, or other active components)

IT Glycosides  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
     (phenolic; oil-in-water emulsions for delayed release of  
     flavors, nutrients, or other active components)

IT Sterols  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
     (phytosterols; oil-in-water emulsions for delayed release of  
     flavors, nutrients, or other active components)

- IT Amphiphiles  
(plant lipids; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Alcohols, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(polyhydric; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Phenols, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(polyphenols, nonpolymeric; oil-in-water emulsions for  
delayed release of flavors, nutrients, or other active components)
- IT Fatty acids, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(polyunsatd.,  $\alpha$ - and  $\gamma$ -; oil-in-water emulsions  
for delayed release of flavors, nutrients, or other active components)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(polyunsatd.,  $\omega$ -3 and  $\omega$ -6; oil-in-water emulsions  
for delayed release of flavors, nutrients, or other active components)
- IT Caseins, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(sodium complexes; oil-in-water emulsions for delayed release  
of flavors, nutrients, or other active components)
- IT Lecithins  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(soya; oil-in-water emulsions for delayed release of flavors,  
nutrients, or other active components)
- IT Proteins  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(soybean; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Carbohydrates, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(sugar esters; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Carbohydrates, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(sugar ethers; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Hydrocolloids  
(surface-active; oil-in-water emulsions for delayed release  
of flavors, nutrients, or other active components)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(vegetable, PEGylated; oil-in-water emulsions for delayed  
release of flavors, nutrients, or other active components)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(vegetable; oil-in-water emulsions for delayed release of



flavors, nutrients, or other active components)

IT Proteins  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (whey; oil-in-water emulsions for delayed release of flavors,  
 nutrients, or other active components)

IT 106392-12-5  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (Poloxamer; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT 50-70-4D, D-Glucitol, fatty acid esters 50-81-7,  
 L-Ascorbic acid, biological studies 57-10-3, Hexadecanoic acid,  
 biological studies 57-11-4, Octadecanoic acid, biological studies  
 57-50-1D, esters 57-55-6D, 1,2-Propanediol, fatty acid  
 esters 57-88-5, Cholest-5-en-3-ol (3 $\beta$ )-, biological studies  
 58-08-2, biological studies 58-95-7 59-02-9 68-19-9, Vitamin B12  
 89-78-1 110-27-0 111-03-5 111-62-6 112-80-1, 9-Octadecenoic acid  
 (9Z)-, biological studies 115-83-3 127-40-2 127-40-2D, esters  
 142-91-6 143-07-7, Dodecanoic acid, biological studies 144-68-3  
 303-98-0 502-65-8,  $\psi$ , $\psi$ -Carotene 506-32-1 520-26-3 544-35-4  
 544-63-8, Tetradecanoic acid, biological studies 989-51-5 1200-22-2  
 1338-39-2 1338-41-6 1338-43-8 1406-16-2, Vitamin D 6217-54-5  
 6829-55-6 7235-40-7,  $\beta$ , $\beta$ -Carotene 8007-43-0 9000-01-5, Gum  
 arabic 9000-07-1, Carrageenan 9000-65-1, Gum tragacanth 9000-69-5,  
 Pectin 9001-63-2, Lysozyme 9002-92-0 9004-32-4 9004-34-6D,  
 Cellulose, derivs. 9004-61-9, Hyaluronic acid 9004-95-9 9004-96-0  
 9004-98-2 9004-99-3 9005-00-9 9005-02-1 9005-07-6 9005-08-7  
 9005-25-8, Starch, biological studies 9005-25-8D, Starch, derivs.  
 9005-37-2 9005-63-4D, esters 9005-65-6, Tween 80 9005-82-7, Amylose  
 9009-32-9 9011-29-4 9012-76-4, Chitosan 9037-22-3,  
 Amylopectin 10332-32-8 10417-94-4 11078-30-1, D-Galacto-D-mannan  
 11103-57-4, Vitamin A 11138-66-2, Xanthan gum 12441-09-7D, Sorbitan,  
 esters 13081-97-5 22882-95-7 25322-68-3D, fatty  
 acid esters 25618-55-7D, esters 25637-97-2 26266-57-9  
 26266-58-0 26658-19-5 26855-43-6 27195-16-0 43126-81-4  
 51938-44-4 54392-26-6 60550-73-4 61725-93-7 64296-33-9  
 68818-37-1 69070-98-0 71010-52-1, Gellan gum 83138-62-9  
 110540-43-7 146478-45-7 354575-58-9 403821-12-5  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic  
 use); BIOL (Biological study); USES (Uses)  
 (oil-in-water emulsions for delayed release of flavors,  
 nutrients, or other active components)

IT 75-07-0, Acetaldehyde, biological studies 78-70-6 100-52-7,  
 Benzaldehyde, biological studies 108-64-5 124-13-0, Octanal  
 431-03-8, 2,3-Butanedione 928-96-1 6728-26-3 24683-00-9  
 RL: FFD (Food or feed use); BIOL (Biological study); USES (Uses)  
 (oil-in-water emulsions for delayed release of flavors,  
 nutrients, or other active components)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 2 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2008:1452078 CAPLUS Full-text  
 DOCUMENT NUMBER: 150:4859  
 TITLE: Oil-in-water emulsion and its use for the  
 delayed release of active elements  
 INVENTOR(S): Phan, Van Anh; Godinot, Nicolas; Sagalowicz, Laurent;  
 Leser, Martin; Robert, Fabien

# Dennis Heyer 10/580,575

PATENT ASSIGNEE(S): Nestec S.A., Switz.  
 SOURCE: PCT Int. Appl., 43pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008145183	A1	20081204	WO 2007-EP55240	20070530
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
WO 2008145744	A1	20081204	WO 2008-EP56717	20080530
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRIORITY APPLN. INFO.: WO 2007-EP55240 A 20070530

ED Entered STN: 04 Dec 2008

AB An oil-in-water emulsion used for delayed release of active elements (e.g., flavors, vitamins, antioxidants, etc.) is structured so that the interior of oil droplets exhibit interfaces, between lipophilic domains and hydrophilic or amphiphilic domains, due to the presence of a lipophilic additive solubilized inside the oil droplets and which is used for delayed release of the active elements. The release of at least one active element (octanol/water partitioning coefficient logP higher than -1) corresponds to a higher Tmax (time to reach maximum concentration) than the Tmax obtained for the simple reference oil-in-water emulsion where no lipophilic additive is used. Thus, an emulsion may be formed by dispersing an oil mixture of an unsatd. monoglyceride (Dimodan MO90) as a lipophilic additive with medium-chain triglyceride oil (ratio 1:20) in sodium caseinate solution

CC 17-4 (Food and Feed Chemistry)  
 Section cross-reference(s): 62, 63

ST emulsion flavor vitamin antioxidant glyceride delayed release

IT Fatty acids, biological studies

RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(PEGylated; oil-in-water emulsions for delayed release of flavors, nutrients, or other active components)

IT Surfactants

(amphiphilic, Gemini; oil-in-water emulsions for delayed

- release of flavors, nutrients, or other active components)
- IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (arachidonic-rich; oil-in-water emulsions for delayed release  
 of flavors, nutrients, or other active components)
- IT Polymers, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (block; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Micelles  
 (casein; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Glycerophospholipids  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (cephalins; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Polymers, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (co-, random; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Sterols  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (esters, phyto-; oil-in-water emulsions for delayed release  
 of flavors, nutrients, or other active components)
- IT Monoglycerides  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (esters, with diacetyltartaric acid; oil-in-water emulsions  
 for delayed release of flavors, nutrients, or other active components)
- IT Diglycerides  
 Monoglycerides  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (esters, with lactic acid; oil-in-water emulsions for delayed  
 release of flavors, nutrients, or other active components)
- IT Plantae  
 Plants  
 (exts.; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Vitamins  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (fat-soluble; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (fish; oil-in-water emulsions for delayed release of flavors,  
 nutrients, or other active components)
- IT Glycosides  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (flavanone; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)
- IT Glycosides

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- RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(flavonoid; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Tannins  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(gallotannins; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Flavones  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(hydroxy; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Flavones  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(isoflavone glycosides; oil-in-water emulsions for delayed  
release of flavors, nutrients, or other active components)
- IT Glycosides  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(isoflavone; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Flavones  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(isoflavones; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Alcohols, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(long-chain; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Glycerides, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(medium-chain; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Caseins, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(metal complexes; oil-in-water emulsions for delayed release  
of flavors, nutrients, or other active components)
- IT Proteins  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(milk; oil-in-water emulsions for delayed release of flavors,  
nutrients, or other active components)
- IT Essential oils  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(mint, Mentha; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Lipids, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(oat; oil-in-water emulsions for delayed release of flavors,  
nutrients, or other active components)
- IT Agrochemicals

Antioxidants  
Cosmetic emulsions  
Dietary supplements  
    Emulsification  
Eubacteria  
Flavor  
Flavoring materials  
Food additives  
Food emulsions  
Hydrophile-lipophile balance value  
Microparticles  
Nanoparticles  
Nutrients  
Odor and Odorous substances  
Pharmaceutical emulsions  
Phytochemicals  
Polyelectrolytes  
Portulaca oleracea  
Powders  
Surfactants  
    (oil-in-water emulsions for delayed release of flavors,  
        nutrients, or other active components)  
IT Albumins, biological studies  
Alcohols, biological studies  
Amino acids, biological studies  
Apoproteins  
Biopolymers  
Carbohydrates, biological studies  
Carotenes, biological studies  
Caseins, biological studies  
Cerebrosides  
DNA  
Diglycerides  
Enzymes, biological studies  
Essential oils  
Esters, biological studies  
    Fatty acids, biological studies  
Flavanols  
Gangliosides  
Gelatins, biological studies  
Glycerides, biological studies  
Glycerophospholipids  
Glycolipids  
Glycoproteins  
Hormones, animal, biological studies  
Hydrocarbon oils  
Lecithins  
Linseed oil  
Lipids, biological studies  
Monoglycerides  
Nucleic acids  
Paraffin oils  
Peptides, biological studies  
Phospholipids, biological studies  
Polyoxyalkylenes, biological studies  
Polysaccharides, biological studies  
Proanthocyanidins  
Protein hydrolyzates  
Proteins  
Salts, biological studies

Sterols  
 Sulfates, biological studies  
 Sulfatides  
 Terpenes, biological studies  
 Vitamins  
 Waxes  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (oil-in-water emulsions for delayed release of flavors,  
 nutrients, or other active components)

IT Emulsions  
 (oil-in-water; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT Flavonoids  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (oxo dihydro; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT Glycosides  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (phenolic; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT Sterols  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (phytosterols; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT Amphiphiles  
 (plant lipids; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT Alcohols, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (polyhydric; oil-in-water emulsions for delayed release of  
 flavors, nutrients, or other active components)

IT Phenols, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (polyphenols, nonpolymeric; oil-in-water emulsions for  
 delayed release of flavors, nutrients, or other active components)

IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (polyunsatd.,  $\alpha$ - and  $\gamma$ -; oil-in-water emulsions  
 for delayed release of flavors, nutrients, or other active components)

IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (polyunsatd.,  $\omega$ -3 and  $\omega$ -6; oil-in-water emulsions  
 for delayed release of flavors, nutrients, or other active components)

IT Caseins, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (sodium complexes; oil-in-water emulsions for delayed release  
 of flavors, nutrients, or other active components)

IT Proteins  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
 BIOL (Biological study); USES (Uses)  
 (soybean; oil-in-water emulsions for delayed release of

- flavors, nutrients, or other active components)
- IT Carbohydrates, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(sugar esters; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Carbohydrates, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(sugar ethers; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Hydrocolloids  
(surface-active; oil-in-water emulsions for delayed release  
of flavors, nutrients, or other active components)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(vegetable, PEGylated; oil-in-water emulsions for delayed  
release of flavors, nutrients, or other active components)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(vegetable; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT Proteins  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(whey; oil-in-water emulsions for delayed release of flavors,  
nutrients, or other active components)
- IT 106392-12-5  
RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic use);  
BIOL (Biological study); USES (Uses)  
(Poloxamer; oil-in-water emulsions for delayed release of  
flavors, nutrients, or other active components)
- IT 50-70-4D, Sorbitol, fatty acid esters 50-81-7,  
Vitamin C, biological studies 57-10-3, Palmitic acid, biological studies  
57-11-4, Stearic acid, biological studies 57-50-1D, Sucrose, esters  
57-55-6D, Propylene glycol, fatty acid esters  
57-88-5, Cholesterol, biological studies 58-08-2, Caffeine, biological  
studies 58-95-7, Tocopherol acetate 59-02-9 68-19-9, Vitamin B12  
89-78-1, Menthol 110-27-0, Isopropyl myristate 111-03-5, Dimodan MO90  
111-62-6, Ethyl oleate 112-80-1, Oleic acid, biological studies  
115-83-3, Pentaerythrityl tetrastearate 127-40-2, Lutein 127-40-2D,  
Lutein, esters 142-91-6, Isopropyl palmitate 143-07-7, Lauric acid,  
biological studies 144-68-3, Zeaxanthin 303-98-0, CoQ10 502-65-8,  
Lycopene 506-32-1, Arachidonic acid 520-26-3, Hesperidin 544-35-4,  
Ethyl linoleate 544-63-8, Myristic acid, biological studies 989-51-5,  
Epigallocatechin gallate 1200-22-2, Lipoic acid 1338-39-2, Sorbitan  
monolaurate 1338-41-6, Sorbitan monostearate 1338-43-8, Sorbitan  
monooleate 1406-16-2, Vitamin D 6217-54-5, Docosahexaenoic acid  
6829-55-6, Tocotrienol 7235-40-7,  $\beta$ -Carotene 8007-43-0, Sorbitan  
sesquioleate 9000-01-5, Gum arabic 9000-07-1, Carrageenan 9000-65-1,  
Gum tragacanth 9000-69-5, Pectin 9001-63-2, Lysozyme 9002-92-0  
9004-32-4 9004-34-6D, Cellulose, derivs. 9004-61-9, Hyaluronic acid  
9004-95-9 9004-96-0, PEG oleate 9004-98-2 9004-99-3 9005-00-9  
9005-02-1 9005-07-6 9005-08-7 9005-25-8, Starch, biological studies  
9005-25-8D, Starch, derivs. 9005-37-2, Propylene glycol alginate  
9005-63-4D, Polyoxyethylene sorbitan, esters 9005-82-7, Amylose  
9009-32-9, Polyglyceryl stearate 9011-29-4, PEG sorbitan  
hexastearate 9012-76-4, Chitosan 9037-22-3, Amylopectin 10332-32-8

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10417-94-4, Eicosapentaenoic acid 11078-30-1, Galactomannan  
 11103-57-4, Vitamin A 11138-66-2, Xanthan gum 12441-09-7D, Sorbitan,  
 esters 13081-97-5, Pentaerythrityl distearate 22882-95-7, Isopropyl  
 linoleate 25322-68-3D, Polyethylene glycol, fatty acid  
 esters 25618-55-7D, Polyglycerol, esters 25637-97-2, Sucrose  
 dipalmitate 26266-57-9, Sorbitan monopalmitate 26266-58-0, Sorbitan  
 trioleate 26658-19-5, Sorbitan tristearate 26855-43-6 27195-16-0,  
 Sucrose distearate 43126-81-4 51938-44-4, Sorbitan sesquistearate  
 54392-26-6, Sorbitan monoisostearate 60550-73-4 61725-93-7,  
 Polyglyceryl distearate 64296-33-9, Vitamin C palmitate 68818-37-1  
 69070-98-0, PEG sorbitan tetraoleate 71010-52-1, Gellan gum  
 83138-62-9, Polyglyceryl isostearate 110540-43-7, Polyglyceryl  
 pentaoleate 146478-45-7, Polyglyceryl dioleate 354575-58-9, PEG  
 sorbitan tetrastearate 403821-12-5, Polyglyceryl trioleate  
 RL: COS (Cosmetic use); FFD (Food or feed use); THU (Therapeutic  
 use); BIOL (Biological study); USES (Uses)

(oil-in-water emulsions for delayed release of flavors,  
 nutrients, or other active components)

IT 75-07-0, Acetaldehyde, biological studies 78-70-6, Linalool 100-52-7,  
 Benzaldehyde, biological studies 108-64-5, Ethyl isovalerate 124-13-0,  
 Octanal 431-03-8, Diacetyl 928-96-1, cis-3-Hexen-1-ol 6728-26-3  
 24683-00-9, 3-Methoxy-2-isobutylpyrazine

RL: FFD (Food or feed use); BIOL (Biological study); USES (Uses)

(oil-in-water emulsions for delayed release of flavors,  
 nutrients, or other active components)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 3 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:1360726 CAPLUS Full-text

DOCUMENT NUMBER: 149:540957

TITLE: Fully extended color bulk powder and bulk dispersion  
 for cosmetics and pharmaceuticals

INVENTOR(S): Kishida, Shigeru; Kawasaki, Yoshiaki; Lepage, Mark  
 George; Weaver, Lafrancia Shree

PATENT ASSIGNEE(S): US Cosmetics Corporation, USA

SOURCE: PCT Int. Appl., 56pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008137175	A2	20081113	WO 2008-US5864	20080506
WO 2008137175	A3	20090108		
W:	AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,			
	CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES,			
	FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE,			
	KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,			
	ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,			
	PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM,			
	TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,			
	IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,			
	TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,			
	TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,			
	AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
US 20080299158	A1	20081204	US 2008-115901	20080506



PRIORITY APPLN. INFO.:

US 2007-928146P

P 20070507

ED Entered STN: 13 Nov 2008

AB The invention provides, among other things, fully and partially extended color bulk powders and partially and fully extended color bulk dispersions. Invention fully and partially extended color powders and fully and partially extended color dispersions can be used in cosmetic and makeup products, personal care products, and pharmaceutical products. Hydrophobically modified powders with fully extended color/shade, and bulk dispersion of hydrophobically modified powders are described. Surface treatment agents such as salts of fatty or acylamino acids, polyvalent metals, and oils are used resulting in oil coated or non-oil coated, surface-modified powders.

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

IT Fatty acids, biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);

USES (Uses)

(esters; fully extended color bulk powder and bulk dispersion for cosmetics and pharmaceuticals)

IT Cosmetic powders

Disperse systems

Emulsifying agents

Pearlescent pigments

Pharmaceutical powders

Pigments, nonbiological

(fully extended color bulk powder and bulk dispersion for cosmetics and pharmaceuticals)

IT 58-95-7, Tocopherol acetate 68-26-8, Retinol 111-01-3, Squalane 302-79-4, Retinoic acid 661-19-8, Behenyl alcohol 1406-18-4, Vitamin E 2197-63-9, Dicetyl phosphate 4468-02-4, Zinc gluconate 5466-77-3, Octyl methoxycinnamate 9004-99-3, Polyoxyethylene stearate 9016-00-6, Dimethylpolysiloxane 11099-07-3, Glyceryl stearate 29710-31-4, Cetyl octanoate 30399-84-9, Isostearic acid 31807-55-3, Isododecane 31900-57-9, Silanediol, dimethyl-, homopolymer 36653-82-4, Hexadecanol 38079-62-8, Disodium stearyl glutamate 42131-25-9, Isononyl isononanoate 50643-20-4 58958-60-4, Isostearyl neopentanoate 83138-62-9, Polyglyceryl isostearate 112385-09-8, Diisostearyl maleate 137728-20-2 137728-30-4 137728-32-6 145686-34-6, Cetyl dimethicone copolyol 1078712-49-8

RL: COS (Cosmetic use); MOA (Modifier or additive use); THU

(Therapeutic use); BIOL (Biological study); USES (Uses)

(fully extended color bulk powder and bulk dispersion for cosmetics and pharmaceuticals)

L36 ANSWER 4 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2008:966689 CAPLUS Full-text

DOCUMENT NUMBER: 149:362247

TITLE: Multifunctional physiologically active synergistic composition for talasotherapy or aromatherapy comprising sea water, lye, mineral salts, stimulating essential oils, plant extracts or vitamins

INVENTOR(S): Tepavicharova, Stefka; Yonchev, Lyudmil; Balarev, Hristo

PATENT ASSIGNEE(S): Bulg.

SOURCE: Bulg. Pat. Appl., 18pp.

CODEN: BGXXAZ

DOCUMENT TYPE: Patent

LANGUAGE: Bulgarian

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BG 109725	A	20080530	BG 2006-109725	20061107

PRIORITY APPLN. INFO.:  
 BG 2006-109725 20061107

ED Entered STN: 12 Aug 2008

AB The multifunctional physiol. active composition is applicable in the production of cosmetic, pharmaceutical and medicinal products for human or animal talasotherapy or aromatherapy. The products are with a consistency of solns., emulsions, gels, suspensions and salts to be used depending on the specific purpose as well as to be added to other cosmetic or pharmaceutical products. The multifunctional physiol. active composition is based on natural raw materials and comprises: (i) mineral active component: Black Sea water, Black Sea lye or Black Sea mineral salts; and/or (ii) stimulating active component (one or several): natural essential oils, plant exts. or vitamins; and/or (iii) inactive components (one or several of the recited ones). This composition conditions the exhibition of synergism of the mineral substances and essential oils, plant exts. or vitamins, and has an unexpectedly high biol. activity. It dets. the availability of: (i) cosmetic effect of the products expressed in a softening, hydrating, refreshing, emollient, cleansing and skin-beautifying action, anticellulite effect, etc.; (ii) healing effect of the pharmaceutical products in the use thereof for prophylaxis and therapy of different dermatol. troubles, such as wounds, acne, psoriasis, etc.; bone-joint and muscle diseases, such as arthrosis, radiculitis, discopathy, neuritis, inflammation of the perijoint tissues, etc.; inflammatory processes and infections in the rhinopharynx and in the oral cavity; (iii) prophylactic effect: in mental, diabetic and hypertonic diseases; for relaxation, recuperation and toning of the organism. Such effects, in addition to characterizing the composition as multifunctional, are much greater than the known ones. This composition ensures also stability of the products for a long time under different temperature conditions without the addition of conservants, and allows the products to be used far away from the natural resource. Thus, multifunctional gel formulation comprised 77.5 g Black sea water, 10 g essential oils, 10 g glycerol, 2.5 g keltrol, 0.01 g pigment.

CC 62-4 (Essential Oils and Cosmetics)  
 Section cross-reference(s): 63

IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);  
 USES (Uses)  
 (essential; multifunctional physiol. active synergistic composition for talasotherapy or aromatherapy comprising sea water, lye, mineral salts, stimulating essential oils, plant exts. or vitamins)

IT Acne  
 Anti-infective agents  
 Anti-inflammatory agents  
 Artemia salina  
 Beeswax  
 Cognition enhancers  
 Coloring materials  
 Cosmetic emulsions  
 Cosmetic gels  
 Cosmetic suspensions  
 Cosmetics and personal care products  
 Diabetes mellitus  
 Disinfectants  
 Dunaliella salina  
 Dunaliella viridis  
 Euglenophyta  
 Foaming agents  
 Halobacterium  
 Halococcus

Honey  
 Joint disease  
 Lyngbya  
 Microalgae  
 Mouth, disease  
 Muscle, disease  
 Natural products, pharmaceutical  
 Navicula (diatom)  
 Osteoarthritis  
 Perfumes  
 Pharmaceutical emulsions  
 Pharmaceutical gels  
 Pharmaceutical suspensions  
 Prophylaxis  
 Psoriasis  
 Raw materials  
 Skin cleansers  
 Skin conditioners  
 Skin emollients  
 Skin moisturizers  
 Stabilizing agents  
 Surfactants  
 Sweetening agents  
 Topical drug delivery systems  
 Viscosity  
 Wound  
 Wound healing promoters

(multifunctional physiol. active synergistic composition for talasotherapy or aromatherapy comprising sea water, lye, mineral salts, stimulating essential oils, plant exts. or vitamins)

IT 50-70-4, Sorbitol, biological studies 50-81-7, Vitamin C, biological studies 56-81-5, Glycerol, biological studies 57-55-6, Propylene glycol, biological studies 76-22-2, Camphor 77-92-9, Citric acid, biological studies 89-78-1, Menthol 97-59-6, Allantoin 110-27-0, Isopropylmyristate 142-91-6, Isopropylpalmitate 144-55-8, Sodium hydrogencarbonate, biological studies 151-21-3, Texapon K12, biological studies 546-88-3, AHA 1344-00-9, Zeolex 1406-16-2, Vitamin D 1406-18-4, Vitamin E 3844-45-9 7439-95-4D, Magnesium, salts 7440-09-7D, Potassium, salts 7440-23-5D, Sodium, salts 7447-40-7, Potassium chloride, biological studies 7487-88-9, Magnesium sulfate, biological studies 7631-86-9, Silica, biological studies 7647-14-5, Sodium chloride, biological studies 7782-50-5D, Chlorine, salts 7786-30-3, Magnesium chloride, biological studies 7789-77-7, Dicalcium phosphate dihydrate 9002-86-2, PVC 9004-32-4, Carboxymethylcellulose 9004-62-0, Natrosol 9004-82-4, Sodium laureth sulfate 9005-25-8, Starch, biological studies 9005-64-5, Polysorbate 20 11099-07-3, Stearine 11103-57-4, Vitamin A 11138-66-2, Keltrol CG-T 12001-76-2, Vitamin B 19381-50-1, CI 10020 25322-68-3, PEG 31800-90-5, Hostaphat KL340 N 36653-82-4, Cetyl alcohol 61332-02-3, Tegin-iso 83138-62-9, Isolan GI34 85941-44-2, Cremophor A 6 145686-34-6, Abil em90 216500-19-5, Emulgade CM 502687-50-5, Carbopol Ultrez 21  
 RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(multifunctional physiol. active synergistic composition for talasotherapy or aromatherapy comprising sea water, lye, mineral salts, stimulating essential oils, plant exts. or vitamins)

L36 ANSWER 5 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2008:43610 CAPLUS Full-text  
 DOCUMENT NUMBER: 148:127698

# Dennis Heyer 10/580,575

TITLE: Cosmetic emulsion composition containing  
ascorbic acid 2-phosphoric acid fatty  
acid esters  
INVENTOR(S): Yoneda, Tadashi; Ito, Naoko; Furuya, Kazuo  
PATENT ASSIGNEE(S): Showa Denko K.K., Japan  
SOURCE: PCT Int. Appl., 52pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008004685	A1	20080110	WO 2007-JP63623	20070703
<p>W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW</p> <p>RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM</p>				
JP 2008013464	A	20080124	JP 2006-184748	20060704
EP 2037869	A1	20090325	EP 2007-768347	20070703
<p>R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS</p>				
PRIORITY APPLN. INFO.:			JP 2006-184748	A 20060704
			WO 2007-JP63623	W 20070703

OTHER SOURCE(S): MARPAT 148:127698

ED Entered STN: 11 Jan 2008

AB An emulsion composition of the present invention includes (A) a salt of a higher fatty acid ester of ascorbic acid-2-phosphoric acid ester, (B) a polyglycerin fatty acid monoester including polyglycerin having a mean polymerization degree of 8 to 12 and an unsatd. C14-22 fatty acid residual group, (C) a polyglycerin fatty acid monoester comprising polyglycerin having a mean polymerization degree of 2-6 and an unsatd. C14-22 fatty acid residual group, and (D) a hydrocarbon oil, wherein the blending ratio by mass between the component (B) and the component (C) is in the range of 1:1-3:1, and the blending ratio by mass between the total of the components (B) and (C) and the component (D) is in the range of 10:1-1:4. By the use of the emulsion composition of the present invention, a skin external preparation can be provided which is prevented from decrease of a salt of a higher fatty acid ester of ascorbic acid-2-phosphoric acid ester attributable to decomposition of the salt, is excellent in retention of moisture, and has a beautiful appearance. A composition contains squalane, polyglyceryl-10 oleate, polyglyceryl-2 oleate, ascorbic acid 2-phosphoric acid 6-palmitate Na, glycerol, and 1,3-butanediol.

CC 62-4 (Essential Oils and Cosmetics)

ST cosmetic emulsion ascorbate phosphate fatty  
acid polyglycerol

IT Cosmetic emulsions

Particle size distribution

(cosmetic emulsion containing ascorbic acid 2-phosphoric acid  
fatty acid esters)

IT Paraffin oils  
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)  
 (cosmetic emulsion containing ascorbic acid 2-phosphoric acid fatty acid esters)

IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (esters; cosmetic emulsion containing ascorbic acid 2-phosphoric acid fatty acid esters)

IT 9007-48-1, Polyglycerol oleate 9009-32-9, Polyglycerol stearate 23313-12-4D, Ascorbic acid 2-phosphate, fatty acid esters 25618-55-7D, Polyglycerol, fatty acid esters 287925-68-2 614752-31-7, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (cosmetic emulsion containing ascorbic acid 2-phosphoric acid fatty acid esters)

IT 111-01-3, Squalane  
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)  
 (cosmetic emulsion containing ascorbic acid 2-phosphoric acid fatty acid esters)

L36 ANSWER 6 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:1454309 CAPLUS Full-text

DOCUMENT NUMBER: 148:85127

TITLE: Moisturizing and sunscreen skincare composition

INVENTOR(S): Schmidt, Timm; Apel, Ilke

PATENT ASSIGNEE(S): Reckitt & Colman, Limited, UK

SOURCE: PCT Int. Appl., 34pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007144670	A1	20071221	WO 2007-GB50333	20070613
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
GB 2439618	A	20080102	GB 2006-11743	20060614
EP 2040667	A1	20090401	EP 2007-733754	20070613
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS			
PRIORITY APPLN. INFO.:			GB 2006-11743	A 20060614
			WO 2007-GB50333	W 20070613

ED Entered STN: 24 Dec 2007

AB A skincare composition in the form of an emulsion comprising (a) an organic sunscreen component comprising at least one sunscreen selected from the group

consisting of bis-ethylhexyloxyphenol methoxyphenyl triazine and methylene bis-benzotriazolyl tetramethylbutylphenol, (b) a moisturizing system comprising starch or a derivative thereof and a polymeric quaternary compound salt having humectant properties, and (c) a carrier comprising an oil phase, an aqueous phase and an emulsifying system, the emulsifying system comprising at least one emulsifier selected from an anionic or nonionic emulsifier. The composition not only reduces the effect of UV radiation on the skin from UV damage, it also improves the moisturization levels to help protect the skin from the effects of UV radiation. Thus, a cream was prepared containing glycerin 12.0, iso-Pr palmitate 5.0, C12-15 alkyl benzoate 4.0, isoamyl p-methoxycinnamate 3.75, ethylhexyl methoxycinnamate 3.716, caprylic/capric triglyceride 3.5, aluminum starch octenyl succinate 3.0, dimethylimidazolidinone rice starch 2.5, methylene bis(benzotriazolyl) tetramethylbutylphenol 2.5, cyclomethicone 2.0, Me glucose sesquistearate 2.0, stearyl alc. 2.0, bis-ethylhexyloxyphenol methoxyphenyl triazine 1.9, phenoxyethanol 1.0, perfume 0.5, decyl glucoside 0.45, sodium hydroxide 0.05, Carbomer 0.12, propylene glycol 0.025, xanthan gum 0.025, Polyquaternium-51 0.01, BHT 0.003, and water to 100%, resp. In a double blind clin. study on 30 female volunteers with dry skin, the cream exhibited an advantageous continuous moisturization profile.

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 1

IT Fatty acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(coco, esters with sucrose; skincare compns. comprising moisturizing system and sunscreen)

IT Antioxidants

Barrier cosmetics

Buffers

Chelating agents

Cosmetics and personal care products

Emulsifying agents

Human

Humectants

Liquid crystals

Skin conditioners

Skin moisturizers

Stabilizing agents

Vitellaria paradoxa

(skincare compns. comprising moisturizing system and sunscreen)

IT 56-81-5, 1,2,3-Trihydroxypropane, biological studies 57-55-6, Propylene glycol, biological studies 60-00-4, EDTA, biological studies 65-85-0D, Benzoic acid, C12-15 alkyl esters 79-10-7D, Acrylic acid, esters, polymers 106-11-6, PEG-2 stearate 107-88-0, 1,3-Butylene glycol 112-92-5, Stearyl alcohol 122-99-6, Phenoxyethanol 142-91-6, Isopropyl palmitate 593-29-3, Potassium stearate 3923-79-3D, 1,3-Dimethyl-4,5-dihydroxy-2-imidazolidinone, reaction with starch 5466-77-3, Parsol MCX 7360-38-5, Triethylhexanoin 7664-93-9D, Sulfuric acid, mono-C-16-18-alkyl esters, sodium salts 9004-96-0, PEG oleate 9004-98-2, Oleth-10 9004-99-3, PEG stearate 9005-25-8, Starch, biological studies 9005-63-4, PEG sorbitan 9006-65-9, Dimethicone 9006-65-9D, Dimethicone, reaction products with Poly(oxypropylene)-poly(oxyethylene) cetyl ether 9007-48-1, Polyglyceryl oleate 9087-53-0D, reaction products with dimethicone 9087-61-0, Aluminum starch octenyl succinate 11099-07-3, Glyceryl stearate 11138-66-2, Xanthan gum 11140-02-6, Glyceryl myristate 13463-67-7, Titanium dioxide, biological studies 26266-57-9, Sorbitan palmitate 36653-82-4, Cetyl alcohol 37318-79-9, Sorbitan oleate 49765-51-7D, Decyl, cocoate derivs. 56451-84-4, Sorbitan stearate 58846-77-8, Decyl glucoside 60908-77-2, Isohexadecane 66272-25-1

# Dennis Heyer 10/580,575

68936-95-8, Methylglucose sesquisteate 70356-09-1, Butyl  
methoxydibenzoylmethane 71617-10-2, Isoamyl p-methoxycinnamate  
103597-45-1, Tinosorb M 125275-25-4, Polyquaternium-51 157175-98-9  
187393-00-6, Tinosorb S

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(skincare compns. comprising moisturizing system and sunscreen)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 7 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2007:1206932 CAPLUS Full-text  
DOCUMENT NUMBER: 147:474343  
TITLE: Long-lasting film-type fragrance cosmetics  
INVENTOR(S): Nishimura, Kenichi; Kimura, Masaru; Kurumiya, Hajime;  
Nishimura, Nariyasu  
PATENT ASSIGNEE(S): NI Corporation, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 18pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2007277150	A	20071025	JP 2006-105293	20060406
PRIORITY APPLN. INFO.:			JP 2006-105293	20060406
ED Entered STN: 25 Oct 2007				
AB The film-type fragrance cosmetics contain perfumes and can dissolve on skin. The cosmetics may also contain fats and oils, emulsifiers, and water-soluble polymers. An eau de toilette solution containing glyceryl monostearate and sorbitan monooleate was added to an aqueous base solution containing corn starch, pullulan, and carrageenan to give a mixture, which was diluted with H2O, applied on a PET film, dried, and aged to give a film. The film released fragrance for approx. 4-7 h after attachment to human skin.				
CC 62-5 (Essential Oils and Cosmetics)				
ST perfume cosmetic film water soluble polymer; fat oil emulsifier perfume cosmetic film				
IT Glycerides, biological studies RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (C8-10; long-lasting film-type fragrance cosmetics containing perfumes, fats and oils, emulsifiers, and water-soluble polymers)				
IT Cosmetic emulsions Cosmetics and personal care products (films; long-lasting film-type fragrance cosmetics containing perfumes, fats and oils, emulsifiers, and water-soluble polymers)				
IT Fatty acids, biological studies RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (lanolin; long-lasting film-type fragrance cosmetics containing perfumes, fats and oils, emulsifiers, and water-soluble polymers)				
IT Colognes Emulsifying agents Human Perfumes (long-lasting film-type fragrance cosmetics containing perfumes, fats and oils, emulsifiers, and water-soluble polymers)				
IT Collagens, biological studies Fats and Glyceridic oils, biological studies Safflower oil RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)				

# Dennis Heyer 10/580,575

(long-lasting film-type fragrance cosmetics containing perfumes, fats and oils, emulsifiers, and water-soluble polymers)

IT Polymers, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(water-soluble; long-lasting film-type fragrance cosmetics containing perfumes, fats and oils, emulsifiers, and water-soluble polymers)

IT 57-10-3, Palmitic acid, biological studies 57-11-4, Stearic acid, biological studies 112-38-9, Undecylenic acid 112-80-1, Oleic acid, biological studies 112-85-6, Behenic acid 143-07-7, Lauric acid, biological studies 544-63-8, Myristic acid, biological studies 1338-43-8, Sorbitan monooleate 9000-07-1, Carrageenan 9004-34-6, Cellulose, biological studies 9004-65-3, Hydroxypropyl methyl cellulose 9005-25-8, Corn starch, biological studies ~~9007-48-1~~, Polyglyceryl oleate 9057-02-7, Pullulan 11016-36-7, Porphyrin 11094-60-3, Decaglyceryl decaoleate 30399-84-9, Isostearic acid 31566-31-1, Glyceryl monostearate 37353-59-6, Hydroxymethyl cellulose  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(long-lasting film-type fragrance cosmetics containing perfumes, fats and oils, emulsifiers, and water-soluble polymers)

L36 ANSWER 8 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:591993 CAPLUS Full-text

DOCUMENT NUMBER: 147:8847

TITLE: Easily dispersible lipidic phase comprising an oil and a lipophilic additive

INVENTOR(S): Leser, Martin; Sagalowicz, Laurent; Michel, Martin; Frossard, Philippe; Appolonia-Nouzille, Corinne

PATENT ASSIGNEE(S): Nestec S. A., Switz.

SOURCE: PCT Int. Appl., 55pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007060171	A1	20070531	WO 2006-EP68739	20061122
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
AU 2006316501	A1	20070531	AU 2006-316501	20061122
CA 2629733	A1	20070531	CA 2006-2629733	20061122
EP 1956920	A1	20080820	EP 2006-819655	20061122
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
JP 2009523061	T	20090618	JP 2008-541737	20061122
US 20080311211	A1	20081218	US 2008-94682	20080522
CN 101360424	A	20090204	CN 2006-80051515	20080721
PRIORITY APPLN. INFO.:			EP 2005-25405	A 20051122



ED Entered STN: 01 Jun 2007

AB A lipidic phase comprising an oil and a lipophilic additive (LPA), which is suitable to make an oil-in-water emulsion by application of low energy or a manual operation. The lipidic phase contains a Lipophilic Additive (LPA) which forms self-assembly structures inside the emulsion oil droplets. The aqueous phase contains a hydrophilic emulsifier and the lipidic and aqueous phases are mixed without using classical high shearing devices or homogenizers. Thus, an emulsion is prepared by following steps: 1-5 weight% of mineral oil, such as tetradecane, is added to 95 weight% water containing already 0.375 weight% of the emulsifier (Tween 80 or Pluronic F127); 0.5-4 weight% LPA (glycerol monolinoleate) is added to the mixture

CC 17-6 (Food and Feed Chemistry)  
Section cross-reference(s): 62, 63

ST emulsion emulsifier drug diet supplement cosmetic

IT Monoglycerides  
RL: COS (Cosmetic use); FFD (Food or feed use); PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)  
(C6-C20 fatty acid; easily dispersible lipidic phase comprising an oil and a lipophilic additive)

IT Avena sativa  
Cosmetics and personal care products  
Dietary supplements  
Drugs  
Emulsification  
Flavor  
Flavoring materials  
Food additives  
Food emulsions  
Gums and Mucilages  
Nutrients  
Odor and Odorous substances  
(easily dispersible lipidic phase comprising an oil and a lipophilic additive)

IT Alcohols, biological studies  
Carbohydrates, biological studies  
Cerebrosides  
Diglycerides  
Essential oils  
Esters, biological studies  
Fats and Glyceridic oils, biological studies  
Fatty acids, biological studies  
Gangliosides  
Glycerides, biological studies  
Glycerophospholipids  
Glycolipids  
Hydrocarbon oils  
Hydrocarbons, biological studies  
Lecithins  
Linseed oil  
Lipids, biological studies  
Monoglycerides  
Peptides, biological studies  
Phospholipids, biological studies  
Polyoxyalkylenes, biological studies  
Proteins  
Sterols  
Sulfatides  
Terpenes, biological studies

Tocopherols

Waxes

RL: COS (Cosmetic use); FFD (Food or feed use); PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)

(easily dispersible lipidic phase comprising an oil and a lipophilic additive)

IT Emulsifying agents

(hydrophilic; easily dispersible lipidic phase comprising an oil and a lipophilic additive)

IT Emulsions

(oil-in-water; easily dispersible lipidic phase comprising an oil and a lipophilic additive)

IT Fatty acids, biological studies

RL: COS (Cosmetic use); FFD (Food or feed use); PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)

(polyunsatd.; easily dispersible lipidic phase comprising an oil and a lipophilic additive)

IT 50-21-5D, Lactic acid, derivs. 50-70-4D, Sorbitol, esters 56-81-5D, Glycerol, fatty acid esters 57-10-3, Palmitic acid, biological studies 57-11-4, Stearic acid, biological studies 57-50-1D, Sucrose, esters 57-55-6D, Propylene glycol, esters 57-88-5, Cholesterol, biological studies 58-95-7, Tocopherol acetate 68-19-9, Vitamin B12 110-27-0, Isopropyl myristate 111-62-6, Ethyl oleate 112-80-1, Oleic acid, biological studies 115-83-3, Pentaerythritol tetrastearate 127-40-2, Lutein 142-91-6, Isopropyl palmitate 143-07-7, Lauric acid, biological studies 303-98-0, Co-Q10 502-65-8, Lycopene 544-35-4, Ethyl linoleate 544-63-8, Myristic acid, biological studies 629-59-4, Tetradecane 1200-22-2, Lipoic acid 1338-39-2, Sorbitan monolaurate 1338-41-6, Sorbitan monostearate 1338-43-8, Sorbitan monooleate 1406-16-2, Vitamin D 6829-55-6, Tocotrienol 7235-40-7,  $\beta$ -Carotene 7631-86-9, Silica, biological studies 8007-43-0, Sorbitan sesquioleate 9000-01-5, Arabic gum 9002-92-0 9004-96-0 9004-98-2 9004-99-3, PEG stearate 9005-02-1, PEG dilaurate 9005-07-6 9005-08-7 9005-63-4, Polyoxyethylene sorbitan 9005-65-6, Tween 80 9007-48-1, Polyglycerol oleate 9009-32-9, Polyglycerol stearate 9011-29-4, PEG sorbitan hexastearate 11138-66-2, Xanthan gum 12441-09-7D, Sorbitan, esters 12772-47-3, Pentaerythritol oleate 13081-97-5, Pentaerythritol distearate 22882-95-7, Isopropyl linoleate 25322-68-3D, PEG, ether with edible oils 25322-68-3D, PEG, ether with soya sterol 25618-55-7D, Polyglycerol, esters 25637-97-2, Sucrose dipalmitate 26266-57-9, Sorbitan monopalmitate 26266-58-0, Sorbitan trioleate 26545-74-4, Glycerol monolinoleate 26658-19-5, Sorbitan tristearate 26855-43-6, Triglycerol monostearate 27195-16-0, Sucrose distearate 36493-26-2 51591-38-9D, Diacetyltartaric acid, ester of monoglycerides 51938-44-4, Sorbitan sesquisteate 54392-26-6, Sorbitan monoisostearate 57307-93-4, Pentaerythritol caprylate 61725-93-7, Polyglycerol distearate 69070-98-0, PEG sorbitan tetraoleate 83138-62-9, Polyglycerol isostearate 94555-53-0, Pentaerythritol caprate 98913-68-9, Pentaerythritol isostearate 110540-43-7 146478-45-7, Polyglycerol dioleate 354575-58-9, PEG sorbitan tetrastearate 403821-12-5 691397-13-4, Pluronic F127 937706-53-1

RL: COS (Cosmetic use); FFD (Food or feed use); PAC

(Pharmacological activity); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)

(easily dispersible lipidic phase comprising an oil and a lipophilic additive)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS

L36 ANSWER 9 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2007:585511 CAPLUS Full-text  
 DOCUMENT NUMBER: 147:39149  
 TITLE: Oil-in-water emulsion for delivery of  
 nutrients, drugs, aromas or chemicals  
 INVENTOR(S): Sagalowicz, Laurent; Leser, Martin; Michel, Martin;  
 Watzke, Heribert Johann; Acquistapace, Simone;  
 Bertholet, Raymond; Holst, Birgit; Robert, Fabien  
 PATENT ASSIGNEE(S): Nestec S. A., Switz.  
 SOURCE: PCT Int. Appl., 87pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007060177	A1	20070531	WO 2006-EP68761	20061122
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2006316507	A1	20070531	AU 2006-316507	20061122
CA 2629091	A1	20070531	CA 2006-2629091	20061122
EP 1957041	A1	20080820	EP 2006-819669	20061122
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
JP 2009516724	T	20090423	JP 2008-541741	20061122
US 20080255247	A1	20081016	US 2008-93560	20080513
CN 101360481	A	20090204	CN 2006-80051460	20080721
PRIORITY APPLN. INFO.:			EP 2005-25439	A 20051122
			WO 2006-EP68761	W 20061122

ED Entered STN: 31 May 2007

AB The present invention concerns an oil-in-water emulsion wherein the oil droplets of a diameter in the range of 5 nm to hundreds of micrometers exhibit a nano-sized self-assembled structure with hydrophilic domains having a diameter size in the range of 0.5 to 200 nm, due to the presence of a lipophilic additive and the oil-in-water emulsion contains an active element being present in the range comprised between 0.00001 and 79 % based on the total composition. An emulsion composition contained minerals oil such as tetradecane, water, Tween 80, glycerol monolinoleate, and emulsifier TS-PH 039.

CC 63-6 (Pharmaceuticals)

Section cross-reference(s): 17, 45, 62

ST oil water emulsion active agent delivery; drug delivery oil  
 water emulsion; nutrient delivery oil water emulsion;  
 chem delivery oil water emulsion

IT Glycerides, biological studies

RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive

- use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (C8-10, ethoxylated; oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)
- IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (almond, ethoxylated; oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)
- IT Polymers, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (block; oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)
- IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (esters; oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)
- IT Castor oil  
 Corn oil  
 Fatty acids, biological studies  
 Olive oil  
 Palm kernel oil  
 Peanut oil  
 RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (ethoxylated; oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)
- IT Castor oil  
 Palm kernel oil  
 RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (hydrogenated, ethoxylated; oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)
- IT Antioxidants  
 Bioavailability  
 Dietary supplements  
 Emulsifying agents  
 Emulsions  
 Flavor  
 Hydrophile-lipophile balance value  
 Particle size  
 Pharmaceutical emulsions  
 Polyelectrolytes  
 Self-assembly  
 Surfactants  
 (oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)
- IT Albumins, biological studies  
 Alcohols, biological studies  
 Caseins, biological studies  
 Essential oils  
 Fatty acids, biological studies  
 Gelatins, biological studies

Glycerides, biological studies  
 Hydrocarbons, biological studies  
 Paraffin oils  
 Peptides, biological studies  
 Phospholipids, biological studies  
 Protein hydrolyzates  
 Proteins  
 Terpenes, biological studies  
 Waxes  
 RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)

IT Alcohols, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (polyhydric; oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)

IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (vegetable, ethoxylated; oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)

IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (vegetable, hydrogenated, ethoxylated; oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)

IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or additive use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (vegetable; oil-in-water emulsion for delivery of nutrients, drugs, aromas or chems.)

IT 50-21-5D, Lactic acid, glycerides 50-70-4, Sorbitol, biological studies  
 57-10-3, Palmitic acid, biological studies 57-11-4, Stearic acid, biological studies  
 57-55-6D, Propylene glycol, fatty acid esters 57-88-5, Cholesterol, biological studies 110-27-0, Isopropyl myristate  
 111-62-6, Ethyl oleate 112-80-1, Oleic acid, biological studies 115-83-3, Pentaerythritol tetrastearate  
 142-91-6, Isopropyl palmitate 143-07-7, Lauric acid, biological studies 502-65-8, Lycored  
 544-35-4, Ethyl linoleate 544-63-8, Myristic acid, biological studies 629-59-4, Tetradecane  
 1338-39-2, Sorbitan monolaurate 1338-41-6, Sorbitan monostearate 1338-43-8, Sorbitan monooleate  
 4004-05-1, DOPE 8007-43-0, Sorbitan sesquioleate 9000-01-5, Gum acacia 9000-07-1, Carrageenan  
 9000-65-1, Gum tragacanth 9000-69-5, Pectin 9001-63-2, Lysozyme 9002-92-0, Polyoxyethylene lauryl ether  
 9004-32-4 9004-34-6D, Cellulose, derivs. 9004-61-9, Hyaluronic acid 9004-95-9, Polyoxyethylene cetyl ether  
 9004-96-0, Polyoxyethylene oleate 9004-98-2, Polyoxyethylene oleyl ether 9004-99-3, Polyoxyethylene stearate  
 9005-00-9, Polyoxyethylene stearyl ether 9005-02-1, Polyoxyethylene dilaurate 9005-07-6, Polyoxyethylene dioleate  
 9005-08-7, Polyoxyethylene distearate 9005-37-2, Propylene glycol alginate 9005-65-6, Tween 80 9007-48-1, Polyglycerol oleate  
 9009-32-9, Polyglycerol stearate 9011-29-4, Polyoxyethylene sorbitan hexastearate 9012-76-4, Chitosan 11138-66-2,

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Xanthan gum 12772-47-3, Pentaerythritol oleate 13081-97-5,  
Pentaerythritol distearate 22882-95-7, Isopropyl linoleate 25637-97-2,  
Sucrose dipalmitate 26266-57-9, Sorbitan monopalmitate 26266-58-0,  
Sorbitan trioleate 26658-19-5, Sorbitan tristearate 26855-43-6,  
Triglycerol monostearate 27195-16-0, Sucrose distearate 51938-44-4,  
Sorbitan sesquisteate 54392-26-6, Sorbitan monoisostearate  
57307-93-4, Pentaerythritol caprylate 69070-98-0, Polyoxyethylene  
sorbitan tetraoleate 71010-52-1, Gellan gum 83138-62-9,  
Polyglycerol isostearate 94555-53-0, Pentaerythritol caprate  
98913-68-9, Pentaerythritol isostearate 106392-12-5, Poloxamer  
110540-43-7, Polyglycerol pentaoleate 146478-45-7, Polyglycerol dioleate  
354575-58-9, Polyoxyethylene sorbitan tetrastearate 403821-12-5,  
Polyglycerol trioleate

RL: COS (Cosmetic use); FFD (Food or feed use); MOA (Modifier or  
additive use); NUU (Other use, unclassified); THU (Therapeutic use); BIOL  
(Biological study); USES (Uses)

(oil-in-water emulsion for delivery of nutrients, drugs,  
aromas or chems.)

IT 50-81-7, Vitamin c, biological studies 58-95-7, Vitamin e acetate  
137-66-6, Ascorbyl palmitate 1406-18-4, Vitamin E 11042-64-1,  
γ-Oryzanol

RL: COS (Cosmetic use); FFD (Food or feed use); NUU (Other use,  
unclassified); PRP (Properties); THU (Therapeutic use); BIOL (Biological  
study); USES (Uses)

(oil-in-water emulsion for delivery of nutrients, drugs,  
aromas or chems.)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 10 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:405363 CAPLUS Full-text

DOCUMENT NUMBER: 146:407573

TITLE: Nonaqueous dispersion of polymer particles,  
composition and process for cosmetic treatment

INVENTOR(S): Mougin, Nathalie; Jegou, Gwenaeelle; Giroud, Franck;  
Samain, Henri

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Eur. Pat. Appl., 29pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
EP 1772477	A2	20070411	EP 2006-119284	20060822
EP 1772477	A3	20070704		
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
FR 2891832	A1	20070413	FR 2005-53032	20051006
US 20070081954	A1	20070412	US 2006-543115	20061005
JP 2007100097	A	20070419	JP 2006-274339	20061005
PRIORITY APPLN. INFO.:			FR 2005-53032	A 20051006
			US 2005-727515P	P 20051018

ED Entered STN: 12 Apr 2007

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AB Dispersions of ethylenic polymers in liqs. having Hansen's soly parameter  $\leq 20$  MPa1/2 (such as silicone oils), useful for manufacture of hair preps., are characterized in that the polymer exhibits glass transition  $\leq -20^\circ$ .

CC 62-3 (Essential Oils and Cosmetics)

IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (esters, dispersion medium; nonaq. dispersion of ethylenic polymer particles having low glass transition temps. for hair preps.)

IT Cosmetic emulsions  
 (nonaq. dispersion of ethylenic polymer particles having low glass transition temps. for cosmetic emulsions)

IT 4813-57-4D, Stearyl acrylate, polymers with acrylates, and dimethicone acrylates 9003-17-2D, Polybutadiene, polyoxyethylene derivs. 9003-27-4D, Polyisobutylene, polyoxyethylene derivs. 9006-65-9D, Dimethicone, behenoxy 25322-68-3D, Polyethylene glycol, polybutadiene or polyisobutylene derivs. 25322-68-3D, siloxane derivs. 25322-69-4D, siloxane derivs. 27924-99-8D, Poly(12-hydroxystearic acid), acrylic polymer derivs. 30473-93-9, Methyl methacrylate-stearyl methacrylate copolymer 31692-79-2D, Dimethiconol, esters 34316-64-8, Hexyl laurate 83138-62-9, Polyglyceryl isostearate 105729-79-1, Isoprene-styrene block copolymer 105729-79-1D, Isoprene-styrene block copolymer, hydrogenated 106107-54-4, Butadiene-styrene block copolymer 106107-54-4D, Butadiene-styrene block copolymer, hydrogenated 108854-46-2, Isobutylene-methyl methacrylate graft copolymer 110734-66-2, Abil WE 09 114530-84-6, Isobutylene-methyl methacrylate block copolymer 139614-44-1, Laurylmethicone 145686-34-6, Cetyl dimethicone copolyol 145686-74-4, Laurylmethicone copolyol 149531-86-2, Lauryldimethicone copolyol 167160-55-6, Stearyl methicone 175831-78-4, Dimethiconol behenate 314241-95-7, DC 5225C 933063-27-5, Pecosil FSH 150  
 RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)  
 (dispersant; nonaq. dispersion of ethylenic polymer particles having low glass transition temps. for hair preps.)

L36 ANSWER 11 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:8574 CAPLUS Full-text  
 DOCUMENT NUMBER: 146:86953  
 TITLE: Emulsion with insect repellent  
 INVENTOR(S): Schulz, Jens; Von Der Fecht, Stephanie; Nielsen, Jens; Kroepke, Rainer  
 PATENT ASSIGNEE(S): Beiersdorf A.-G., Germany  
 SOURCE: Eur. Pat. Appl., 11pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1738745	A1	20070103	EP 2006-116033	20060626
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
DE 102005030017	A1	20070104	DE 2005-102005030017	20050627
PRIORITY APPLN. INFO.:			DE 2005-102005030017A	20050627
ED Entered STN: 03 Jan 2007				
AB A cosmetic emulsion is disclosed that comprises aqueous inner and lipid outer phases. The lipid phase contains Icaridin.				

CC 62-4 (Essential Oils and Cosmetics)  
 ST Icaridin cosmetic emulsion insect repellent  
 IT Carbonates, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (alkyl; cosmetic emulsion containing an insect repellent)  
 IT Cosmetic emulsions  
 Insect repellents  
 Melting point  
 Packaging materials  
 Textiles  
 (cosmetic emulsion containing an insect repellent)  
 IT Alcohols, biological studies  
 Ethers, biological studies  
 Lanolin  
 Paraffin oils  
 Polysiloxanes, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (cosmetic emulsion containing an insect repellent)  
 IT Polyesters, biological studies  
 RL: COS (Cosmetic use); MOA (Modifier or additive use); POF (Polymer in  
 formulation); BIOL (Biological study); USES (Uses)  
 (cosmetic emulsion containing an insect repellent)  
 IT Cyclosiloxanes  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (di-Me; cosmetic emulsion containing an insect repellent)  
 IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (esters; cosmetic emulsion containing an insect repellent)  
 IT Castor oil  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (ethoxylated; cosmetic emulsion containing an insect repellent)  
 IT Medical goods  
 (plasters; cosmetic emulsion containing an insect repellent)  
 IT Emulsions  
 (water-in-oil; cosmetic emulsion containing an insect repellent)  
 IT 119515-38-7, Icaridin  
 RL: BUU (Biological use, unclassified); COS (Cosmetic use); BIOL  
 (Biological study); USES (Uses)  
 (cosmetic emulsion containing an insect repellent)  
 IT 57-11-4D, Stearic acid, ethoxylation products 9006-65-9D, Dimethicone,  
 copolymers 9009-32-9, Polyglyceryl stearate  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (cosmetic emulsion containing an insect repellent)  
 IT 9002-88-4, Polyethylene 9003-07-0, Polypropylene 25038-59-9,  
 biological studies  
 RL: COS (Cosmetic use); MOA (Modifier or additive use); POF (Polymer in  
 formulation); BIOL (Biological study); USES (Uses)  
 (cosmetic emulsion containing an insect repellent)  
 REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 12 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2006:1239361 CAPLUS Full-text  
 DOCUMENT NUMBER: 147:262929  
 TITLE: A new sensory emollient for decorative  
 cosmetics  
 AUTHOR(S): Anon.  
 CORPORATE SOURCE: UK  
 SOURCE: Research Disclosure (2006), 510(Oct.), P1288-P1289  
 (No. 510019)



# Dennis Heyer 10/580,575

PUBLISHER: Kenneth Mason Publications Ltd.  
DOCUMENT TYPE: Journal; Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

CODEN: RSDSBB; ISSN: 0374-4353

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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RD 510019		20061010	RD 2006-510019	20061010
PRIORITY APPLN. INFO.:			RD 2006-510019	20061010

ED Entered STN: 28 Nov 2006

AB Some formulation examples with high-spreading branched ester emollients based on C6-12 alcs. and acids and having at least one branched chain obtaining a sensorially elegant decorative cosmetic applications are presented.

CC 62-4 (Essential Oils and Cosmetics)

ST decorative emollient Cetiol SenSoft cosmetic foundation lipstick

IT Rosin

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Colophane Claire type Y; in new sensory emollient decorative cosmetics)

IT Tocopherols

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Copherol F 1300; in new sensory emollient decorative cosmetics)

IT Fatty acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C16-18, Cutina FS 45; in new sensory emollient decorative cosmetics)

IT Alcohols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C16-18, Lanette O; in new sensory emollient decorative cosmetics)

IT Alcohols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C16-18, ethoxylated, Emulgin B2; in new sensory emollient decorative cosmetics)

IT Fatty acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(castor-oil, esters with polyglycerol, Admul WOL 1403; in new sensory emollient decorative cosmetics)

IT Glycerides, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(coco, Myritol 331; in new sensory emollient decorative cosmetics)

IT Cosmetics

(foundations; new sensory emollient decorative cosmetics)

IT Castor oil

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(hydrogenated, ethoxylated, Dehymuls HRE 7; in new sensory emollient decorative cosmetics)

IT Beeswax

(in new sensory emollient decorative cosmetics)

IT Candelilla wax

Carnauba wax

Castor oil

Ceresin

Paraffin oils

Petrolatum

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

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(in new sensory emollient decorative cosmetics)

IT Cosmetics  
(lipsticks; new sensory emollient decorative cosmetics)

IT Hydrocarbon waxes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(microcryst.; in new sensory emollient decorative cosmetics)

IT Cosmetics  
(new sensory emollients for decorative cosmetic Cetiol SenSoft)

IT Skin emollients  
(new sensory emollients for decorative cosmetic Cetiol SenSoft was available)

IT 84861-79-0  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Amphisol K; in new sensory emollient decorative cosmetics)

IT 31566-31-1  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Cutina GMS-SE in new sensory emollient decorative cosmetics)

IT 5281-04-9  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(DC Red 7 Ca Lake C 19003 in new sensory emollient decorative cosmetics)

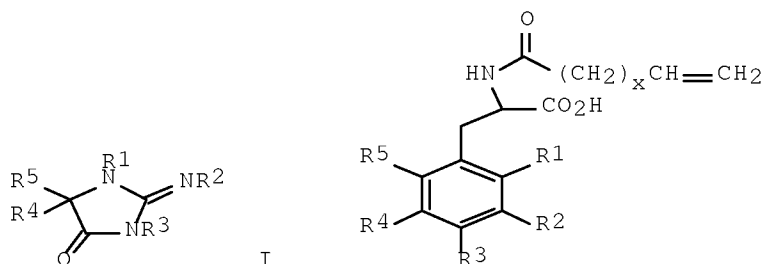
IT 15790-07-5, C.I. Pigment Yellow 104  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(FD Yellow 6 Al Lake C705270 in new sensory emollient decorative cosmetics)

IT 56-81-5, Glycerin, biological studies 111-01-3, Fitoderm 541-02-6, Dow Corning 245 1680-31-5, Cetiol CC 3234-85-3, Cetiol MM 5333-42-6, Eutanol G 5466-77-3, Neo Heliopan AV 8045-77-0, Lanette E 9003-04-7, Cosmedia SP 9087-61-0, Dry Flo PC 11099-07-3, Cutina MD 13081-97-5, Cutina PES 13463-67-7, Pigment White 6, biological studies 14858-73-2, Tegosoft DEC 25496-72-4, Monomuls 90-018 27215-38-9, Monomuls 90L 12 52623-82-2, Cetiol LC 66082-42-6, Lameform TGI 83138-62-9, Isolan GI 34 84563-77-9, Hydagen CMF 88122-99-0, Uvinul T 150 93196-26-0, Iriodin 100 Silver Pearl 103597-45-1, Tinosorb M 110225-00-8, Eutanol G 16 144747-22-8, Dehymuls PGPH 145686-34-6, Abil EM 90 154702-15-5, Uvasorb HEB 157175-98-9, Tego Care 450 180898-37-7, Neo Heliopan AP 187393-00-6, Tinosorb S 195889-53-3, Eumulgin VL 75 215934-26-2, Emulgade PL 68/50 217434-83-8, Isolan PDI 302776-68-7, Uvinul A Plus 329201-02-7, Microna Matte Red 329201-04-9, Microna Matte White 329201-08-3, Microna Matte Yellow 329201-10-7, Microna Matte Black 613262-12-7, Cosmedia DC 868839-23-0, Cetiol SenSoft 945774-53-8, Codesta F 50 945774-72-1, Cera Bellina 945774-84-5, Cutina LM Conc 945774-85-6, Cosmetic White C 47056 945775-32-6, Irwinol LS 9319  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(in new sensory emollient decorative cosmetics)

L36 ANSWER 13 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2006:1012460 CAPLUS Full-text  
DOCUMENT NUMBER: 145:382981  
TITLE: Skin lightening compositions comprising vitamin C derivative  
INVENTOR(S): Majmudar, Gopa; Zhao, Wanli  
PATENT ASSIGNEE(S): Mary Kay Inc., USA  
SOURCE: PCT Int. Appl., 75pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006102289	A2	20060928	WO 2006-US10149	20060321
WO 2006102289	A3	20061130		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2006227205	A1	20060928	AU 2006-227205	20060321
CA 2601571	A1	20060928	CA 2006-2601571	20060321
US 20060216254	A1	20060928	US 2006-385550	20060321
EP 1871334	A2	20080102	EP 2006-739081	20060321
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
HK 1096241	A2	20070525	HK 2006-103676	20060323
MX 2007011784	A	20080314	MX 2007-11784	20070924
KR 2008025036	A	20080319	KR 2007-724399	20071023
CN 101166506	A	20080423	CN 2006-80014457	20071030
PRIORITY APPLN. INFO.:			US 2005-664333P	P 20050323
			US 2006-385550	A 20060321
			WO 2006-US10149	W 20060321
OTHER SOURCE(S): MARPAT 145:382981				
ED Entered STN: 29 Sep 2006				
GI				



AB The present invention concerns methods and compns. that can be used, for example, in skin whitening or hyperpigmentation applications. The composition, in non-limiting aspects, can include a vitamin C derivative, niacinamide, an extract formulation comprising cucumber and lemon extract or compds. (I, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> = H, alkyl, hydroxy- or carboxyalkyl; II, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, and R<sup>5</sup> = H, alkyl, hydroxy- or carboxyalkyl, and x = 1-30). For example, skin-lightening formulation was prepared containing ascorbyl glucoside 0.01%, licorice extract 0.05%, niacinamide 0.01%, magnesium ascorbyl phosphate 0.05%, Uninontan 0.5%, and botanical blend 0.5%.

CC 62-4 (Essential Oils and Cosmetics)

IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (coco, 2-sulfoethyl esters, sodium salts; skin-lightening compns. comprising vitamin C derivative)

IT Cosmetics  
 (emulsions; skin-lightening compns. comprising vitamin C derivative)

IT 50-81-7, L-Ascorbic acid, biological studies 56-81-5, Glycerine, biological studies 57-11-4, Stearic Acid, biological studies 57-55-6, Propylene Glycol, biological studies 58-95-7, Tocopheryl Acetate 60-00-4, EDTA, biological studies 68-04-2, Sodium citrate 77-92-9, Citric Acid, biological studies 98-92-0, Niacinamide 99-76-3, Methylparaben 107-43-7, Betafin BP 20 112-92-5, 1-Octadecanol 118-60-5, Octyl salicylate 121-44-8, Triethyl amine, biological studies 122-99-6, Phenoxyethanol 131-57-7, Oxybenzone 139-33-3, Disodium EDTA 5466-77-3, Ethylhexyl p-methoxycinnamate 6440-58-0, DMDM Hydantoin 7647-14-5, Sodium Chloride, biological studies 8066-38-4, Phenonip 9004-62-0, Hydroxyethylcellulose 9004-95-9, Ceteth-20 9005-67-8, Polysorbate 60 10043-11-5, Boron Nitride, biological studies 11099-07-3, Glyceryl Stearate 13463-67-7, Titanium oxide (TiO<sub>2</sub>), biological studies 25265-75-2, Butylene Glycol 25322-68-3, PEG 100 25322-69-4, PPG 30399-84-9, Isostearic Acid 31807-55-3, Isododecane 36574-66-0D, N-cocoacyl derivs. 36653-82-4, Cetyl Alcohol 55406-53-6, Glycakil 56451-84-4, Sorbitan Stearate 58958-60-4, Isostearyl Neopentanoate 59030-00-1, Polysynlane 74565-11-0, Finsolv TN 76050-42-5, Carbomer 940 83138-62-9, Polyglyceryl Isostearate 84517-95-3, Germaben II 84750-06-1, Arlacel 165 89812-31-7 108910-78-7, Magnesium ascorbyl phosphate 125913-31-7, Ascorbyl phosphate 126370-70-5, 6-O- $\alpha$ -D-Glucopyranosyl-L-ascorbic acid 126776-85-0, Timiron Super Blue 128808-26-4, Sodium ascorbyl phosphate 129499-78-1, Ascorbyl glucoside 144377-73-1, Phospholipid EFA 148093-12-3, Sepigel 305 150581-18-3, 5-O- $\alpha$ -D-Glucopyranosyl-L-ascorbic acid 175357-18-3, Sepiwhite MSH 215363-57-8 221363-11-7 245418-18-2, Uninontan U 34 247185-48-4, Prodew 400 287925-71-7 394212-45-4 501084-04-4, Simulgel NS 562043-82-7 637334-66-8 719294-68-5, Matrixyl 3000 910646-84-3 910646-85-4 910646-87-6 910802-13-0, Actiplex 3535 910879-03-7, Carbopol SF 1

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (skin-lightening compns. comprising vitamin C derivative)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 14 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:844733 CAPLUS Full-text

DOCUMENT NUMBER: 145:256169

TITLE: Nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids

INVENTOR(S): Comini, Miro; Lenzini, Marina; Guglielmini, Giancarlo

PATENT ASSIGNEE(S): Maycos Italiana Di Comini Miro & C. S.A.S., Italy; Sinerga S.p.A.

SOURCE: PCT Int. Appl., 16pp.  
 CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2006087156      A1      20060824      WO 2006-EP1277      20060213
W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
    CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
    GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
    KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,
    MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,
    SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
    VN, YU, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
    IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
    CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
    GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
    KG, KZ, MD, RU, TJ, TM
IT 2005MI0218      A1      20050515      IT 2005-MI218      20050215
PRIORITY APPLN. INFO.:      IT 2005-MI218      A 20050215
ED  Entered STN:  24 Aug 2006
AB  Disclosed are nanoemulsions comprising lipoaminoacids and monoglycerides,
    diglycerides and polyglycerides of fatty acids as emulsifying system, and
    their use in the cosmetic, dermatol. and pharmaceutical fields. For
    example, an emulsion composition containing potassium lauroyl wheat amino
    acids (30 %) 9, palm glycerides 3, octyl palmitate 8, jojoba oil 1, tocopheryl
    acetate 0.5, sodium lactate 2, sodium PCA 2, fragrances 0.2, preservatives
    0.1, and water balance to 100 % was formulated.
CC  63-6 (Pharmaceuticals)
    Section cross-reference(s): 62
IT  Fats and Glyceridic oils, biological studies
    RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
    USES (Uses)
        (almond, fatty acids, reaction products with amino
        acids; nanoemulsions comprising lipoaminoacids and monoglycerides,
        diglycerides and polyglycerides of fatty acids)
IT  Fatty acids, biological studies
    RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
    USES (Uses)
        (coco, reaction products with amino acids; nanoemulsions comprising
        lipoaminoacids and monoglycerides, diglycerides and polyglycerides of
        fatty acids)
IT  Fatty acids, biological studies
    RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
    USES (Uses)
        (coco, reaction products, with glycine, salts; nanoemulsions comprising
        lipoaminoacids and monoglycerides, diglycerides and polyglycerides of
        fatty acids)
IT  Drug delivery systems
    (emulsions, topical; nanoemulsions comprising lipoaminoacids
    and monoglycerides, diglycerides and polyglycerides of fatty
    acids)
IT  Cosmetics
    (emulsions; nanoemulsions comprising lipoaminoacids and
    monoglycerides, diglycerides and polyglycerides of fatty
    acids)
IT  Carboxylic acids, biological studies
    RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
    USES (Uses)
        (hydroxy; nanoemulsions comprising lipoaminoacids and monoglycerides,
        diglycerides and polyglycerides of fatty acids)
IT  Amino acids, biological studies
    RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study);
    USES (Uses)

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- (lipo; nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)
- IT Pigments, nonbiological
  - (micro; nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)
- IT Natural products, pharmaceutical
  - (nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)
- IT Amino acids, biological studies
  - Carbohydrates, biological studies
  - Diglycerides
  - Glycerides, biological studies
  - Monoglycerides
  - Peptides, biological studies
  - Polysaccharides, biological studies
  - Proteins
  - Vitamins
- RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
  - (nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)
- IT Fatty acids, biological studies
  - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (olive-oil, glycerides; nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)
- IT Fatty acids, biological studies
  - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (olive-oil, reaction products with amino acids; nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)
- IT Fatty acids, biological studies
  - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (palm-oil, reaction products with amino acids; nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)
- IT Monoglycerides
  - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (palm-oil; nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)
- IT Fatty acids, biological studies
  - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (peanut-oil, reaction products with amino acids; nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)
- IT Fatty acids, biological studies
  - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (soya, reaction products with amino acids; nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)
- IT Fatty acids, biological studies
  - RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
    - (sunflower-oil, reaction products with amino acids; nanoemulsions

comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)

IT Fatty acids, biological studies

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(vegetable-oil, reaction products with amino acids; nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)

IT 56-40-6D, Glycine, N-coco acyl derivs., salts 58-95-7, Tocopheryl acetate 79-81-2, Retinyl palmitate 81-13-0, D-Panthenol 124-07-2D, Caprylic acid, mixed glycerides with capric acid 143-07-7D, Lauric acid, reaction products with amino acids, salts 334-48-5D, Capric acid, mixed glycerides with caprylic acid 18777-32-7, Sodium N-Lauroyl glycine 25496-72-4, Glyceryl oleate 29923-31-7, Sodium N-lauroyl glutamate 37220-82-9, Glycerin oleate 83138-62-9, Polyglyceryl isostearate 184678-85-1

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(nanoemulsions comprising lipoaminoacids and monoglycerides, diglycerides and polyglycerides of fatty acids)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 15 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:735288 CAPLUS Full-text

DOCUMENT NUMBER: 145:173583

TITLE: Simulated vernix compositions comprising a lipid matrix for skin cleansing and other applications

INVENTOR(S): Hoath, Steven B.; Pickens, William L.; Visscher, Martha O.; Tansirikongkol, Anyarporn; Wickett, Richard Randall

PATENT ASSIGNEE(S): Children's Hospital Medical Center, USA; University of Cincinnati

SOURCE: PCT Int. Appl., 54 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006078245	A1	20060727	WO 2005-US1839	20050119
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
CA 2595023	A1	20060727	CA 2005-2595023	20050119
EP 1838274	A1	20071003	EP 2005-711722	20050119
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			
JP 2008527036	T	20080724	JP 2007-552100	20050119
PRIORITY APPLN. INFO.:			WO 2005-US1839	W 20050119

ED Entered STN: 27 Jul 2006

AB A composition and a method of producing a composition which simulates hydration, cleansing and other properties of native vernix are provided. The composition contains hydratable water-in-oil emulsified particles providing water vapor transport and evaporative water loss properties, rheol., tactile, cleansing, and other properties simulating native vernix. The inventive composition simulates hydrophobic properties of native vernix by a matrix of one or more lipids that are present in native vernix, in which the simulated cells are dispersed. In one embodiment, the lipids are substantially physiol. Any or all the following lipids may be used, each of which is found in native vernix, and each of which is available com.: cholesterol esters, ceramides, triglycerides, cholesterol, free fatty acids, phospholipids, wax esters, squalene, wax diesters, and cholesterol sulfate. Other physiol. acceptable lipids, such Petrolatum and/or mineral oil, may be included in some formulations. Thus, a synthetic vernix composition comprised (i) a lipid phase containing lanolin 2, squalene 3.5, linoleic acid 0.8, cholesterol 6, ceramide III 1.5, beeswax 4.2, capryl/caprylic triglyceride 1, cholesterol sulfate 1, Arlacel P135 1.5, and sorbitan sesquioleate 0.5, and (ii) a water phase containing magnesium sulfate 0.5, glycerin 2.5, methylparaben, propylparaben as needed, and water 45%, resp.

CC 62-4 (Essential Oils and Cosmetics)

ST lipid matrix particle emulsion synthetic vernix cosmetic cleanser

IT Glycerides, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (C8-10; lipid matrix and water-in-oil emulsified particles as simulated vernix for skin cleansing and other applications)

IT Cosmetics  
 (cleansing; lipid matrix and water-in-oil emulsified particles as simulated vernix for skin cleansing and other applications)

IT Cosmetics  
 (emulsions; lipid matrix and water-in-oil emulsified particles as simulated vernix for skin cleansing and other applications)

IT Castor oil  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (hydrogenated, ethoxylated; lipid matrix and water-in-oil emulsified particles as simulated vernix for skin cleansing and other applications)

IT Emulsifying agents  
 Particles  
 (lipid matrix and water-in-oil emulsified particles as simulated vernix for skin cleansing and other applications)

IT Ceramides  
 Fatty acids, biological studies  
 Glycerides, biological studies  
 Hydrocarbon oils  
 Lanolin  
 Lipids, biological studies  
 Petrolatum  
 Phospholipids, biological studies  
 Waxes  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (lipid matrix and water-in-oil emulsified particles as simulated vernix for skin cleansing and other applications)

IT Hydrophile-lipophile balance value  
 (of emulsifying agent; lipid matrix and water-in-oil emulsified particles as simulated vernix for skin cleansing and other applications)



IT Hydrocarbons, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (polyhydroxy; lipid matrix and water-in-oil emulsified  
 particles as simulated vernix for skin cleansing and other  
 applications)

IT Secretions (external)  
 (vernix caseosa; lipid matrix and water-in-oil emulsified  
 particles as simulated vernix for skin cleansing and other  
 applications)

IT 56-81-5, Glycerin, biological studies 57-88-5, Cholesterol, biological  
 studies 57-88-5D, Cholesterol, esters 60-33-3, Linoleic acid,  
 biological studies 94-13-3, Propylparaben 99-76-3, Methylparaben  
 111-02-4, Squalene 112-92-5, Stearyl alcohol 1256-86-6, Cholesterol  
 sulfate 7487-88-9, Magnesium sulfate, biological studies 7647-14-5,  
 Sodium chloride, biological studies 8007-43-0, Sorbitan sesquioleate  
 9007-48-1, Polyglyceryl oleate 63705-03-3, Polyglyceryl  
 diisostearate 83138-62-9, Polyglyceryl isostearate  
 110734-66-2, Abil WE 09 145686-34-6, Cetyl dimethicone copolyol  
 206451-21-0 827596-80-5, Arlacel P 135  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (lipid matrix and water-in-oil emulsified particles as  
 simulated vernix for skin cleansing and other applications)

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 16 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2006:596667 CAPLUS Full-text  
 DOCUMENT NUMBER: 145:69382  
 TITLE: Cosmetic emulsion comprising solid particles  
 of wax  
 INVENTOR(S): Themens, Agnes; Arnaud, Pascal  
 PATENT ASSIGNEE(S): L'Oreal, Fr.  
 SOURCE: Eur. Pat. Appl., 16 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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EP 1671614	A1	20060621	EP 2005-292536	20051130
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
FR 2879439	A1	20060623	FR 2004-53045	20041217
FR 2879439	B1	20070209		
US 20060159716	A1	20060720	US 2005-305145	20051219
PRIORITY APPLN. INFO.:			FR 2004-53045	A 20041217
			US 2004-638120P	P 20041223

ED Entered STN: 22 Jun 2006

AB Cosmetic emulsions comprise solid particles of wax having average volume  $\leq 1$   
 $\mu\text{m}$  in the aqueous phase and  $\leq 15 \mu\text{m}$  in oil phase. A cosmetic foundation  
 contained Sunsphere H51 4, Abil EM90 2.7, Isolan GI34 0.9, isostearyl  
 palmitate 6.0, cyclopentasiloxane 30, hydrophobic coated iron oxide 3.13,  
 hydrophobic coated titanium oxide 7.87, colloidal silica 17, and water q.s.  
 100 g.

CC 62-4 (Essential Oils and Cosmetics)

ST cosmetic emulsion solid particle wax

IT Fats and Glyceridic oils, biological studies

# Dennis Heyer 10/580,575

- RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Japan wax; cosmetic emulsion comprising solid particles)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(almond; cosmetic emulsion comprising solid particles)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(apricot kernel; cosmetic emulsion comprising solid particles)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(avocado; cosmetic emulsion comprising solid particles)
- IT Calophyllum  
Ozocerite  
Particle size  
(cosmetic emulsion comprising solid particles)
- IT Candelilla wax  
Carnauba wax  
Castor oil  
Ceresin  
Corn oil  
Cottonseed oil  
Lignite  
Montan wax  
Palm oil  
Paraffin waxes, biological studies  
Rape oil  
Soybean oil  
Sunflower oil  
Waxes  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(cosmetic emulsion comprising solid particles)
- IT Cosmetics  
(emulsions; cosmetic emulsion comprising solid particles)
- IT Fatty acids, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(esters; cosmetic emulsion comprising solid particles)
- IT Cosmetics  
(foundations; cosmetic emulsion comprising solid particles)
- IT Jojoba oil  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(hydrogenated; cosmetic emulsion comprising solid particles)
- IT Hydrocarbon waxes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(microcryst.; cosmetic emulsion comprising solid particles)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(mink; cosmetic emulsion comprising solid particles)
- IT Waxes  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(ouricury; cosmetic emulsion comprising solid particles)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(sesame; cosmetic emulsion comprising solid particles)
- IT Waxes  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(sugarcane; cosmetic emulsion comprising solid particles)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

# Dennis Heyer 10/580,575

(turtle; cosmetic emulsion comprising solid particles)

IT Lanolin  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (wax; cosmetic emulsion comprising solid particles)

IT 111-01-3, Perhydrosqualene 1344-28-1, Alumina, biological studies  
 7631-86-9, Silica, biological studies 72576-80-8, Isostearyl palmitate  
 83138-62-9, Isolan GI34  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (cosmetic emulsion comprising solid particles)

IT 9003-27-4, Polyisobutylene  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (hydrogenated; cosmetic emulsion comprising solid particles)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 17 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:117078 CAPLUS Full-text

DOCUMENT NUMBER: 144:198118

TITLE: Cosmetic composition comprising an emulsion  
 comprising an alkyltrisiloxane

INVENTOR(S): Arnaud, Pascal

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: PCT Int. Appl., 32 pp.  
 CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006013414	A1	20060209	WO 2005-IB2024	20050715
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM FR 2873583 A1 20060203 FR 2004-51693 20040728 FR 2873583 B1 20061124 PRIORITY APPLN. INFO.: FR 2004-51693 A 20040728 US 2004-598122P P 20040803				

OTHER SOURCE(S): MARPAT 144:198118

ED Entered STN: 09 Feb 2006

AB The present invention relates to a cosmetic composition comprising an emulsion  
 with an oily continuous phase, for making up and/or caring for the skin, the  
 lips and/or keratin fibers, comprising, in a physiol. acceptable medium, at  
 least one volatile linear alkyltrisiloxane oil corresponding to formula  
 $\text{Me}_3\text{SiOSiMeROSiMe}_3$  (R = C2-5 alkyl, optionally substituted with F or Cl), and  
 also to the related cosmetic treatment process. For example, a water-in-oil  
 emulsion foundation contained cetyl dimethicone copolyol (Abil EM 90) 0.80,  
 polyglyceryl-4 isostearate 0.60, dimethicone copolyol (KF 6017) 5.00,  
 isostearyl neopentanoate 0.50, isoeicosane 2.00, dimethicone DC 200 Fluid - 5  
 cSt 2.30, cyclohexasiloxane 8.00, distearyldimethylammonium-modified hectorite

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(Bentone 38V) 1.60, heptamethylbutyltrisiloxane 21.00, heptamethylethyltrisiloxane 8.41, iron oxides 2.13, titanium dioxide 5.87, polymethyl methacrylate 4.00, butylene glycol 10.00, sodium chloride 0.70 g, preservative as needed, and water to 100.00 g, resp.

- IC ICM A61K008-31
- ICS A61K008-58; A61Q001-02
- CC 62-4 (Essential Oils and Cosmetics)
- ST alkyltrisiloxane cosmetic emulsion skin hair
- IT Cosmetics
  - (cleansing; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Hair preparations
  - (conditioners; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Antioxidants
- Antiperspirants
- Deodorants (personal)
- Dyes
- Gelation agents
- Hair
- Hair preparations
- Lip
- Opacifiers
- Ozocerite
- Pearlescent pigments
- Perfumes
- Pigments, nonbiological
- Preservatives
- Shampoos
- Skin
- Sunscreens
- Suntanning agents
- Surfactants
- Thickening agents
  - (cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Fatty acids, biological studies
- Hydrocarbon oils
- Polymers, biological studies
- Polysiloxanes, biological studies
- Silicone rubber, biological studies
- Vitamins
- Waxes
- RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Keratins
  - RL: BSU (Biological study, unclassified); BIOL (Biological study)
  - (cosmetic composition comprising emulsion containing alkyltrisiloxane for treating keratin materials)
- IT Polyoxyalkylenes, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (di-Me, Me hydrogen polysiloxane-; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Polysiloxanes, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (di-Me, Me hydrogen, polyoxyalkylene-; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Polysiloxanes, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (di-Me, hydroxyalkyl Me, ethoxylated; cosmetic composition comprising emulsion containing alkyltrisiloxane)

- IT Skin, disease  
(dry, treatment of; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Hair preparations  
(dyes; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Fatty acids, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(esters; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Cosmetics  
(eye liners; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Alcohols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(fatty, ethoxylated; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Alcohols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(fatty; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Cosmetics  
(foundations; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Bath preparations  
Hair preparations  
(gels; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Cosmetics  
(lipcare; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Cosmetics  
(lipsticks; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Cosmetics  
(makeup removers; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Cosmetics  
(makeups; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Cosmetics  
(mascaras; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Hair preparations  
(mousses; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Cosmetics  
(nail lacquers; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Surfactants  
(nonionic; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Stabilizing agents  
(pH; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Hair preparations  
(permanent wave; cosmetic composition comprising emulsion containing alkyltrisiloxane)
- IT Hair preparations  
(sprays; cosmetic composition comprising emulsion containing

alkyltrisiloxane)

IT Hair preparations  
(straighteners; cosmetic composition comprising emulsion containing alkyltrisiloxane)

IT 9006-65-9, Dimethicone  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(DC 200 Fluid 5; cosmetic composition comprising emulsion containing alkyltrisiloxane)

IT 50-99-7D, D-Glucose, alkyl derivs., esters 57-50-1D, Sucrose, esters  
64-17-5, Ethanol, biological studies 294-40-6, Cyclopentasiloxane  
295-01-2, Cyclohexasiloxane 1332-37-2, Iron oxide, biological studies  
7487-88-9, Magnesium sulfate, biological studies 9004-34-6, Blanose  
7M8SF, biological studies 9011-14-7, Polymethyl methacrylate  
12001-31-9, Bentone 38V 13463-67-7, Titanium dioxide, biological studies  
17861-60-8, 3-Ethyl-1,1,1,3,5,5,5-heptamethyltrisiloxane 18138-63-1,  
3-Butyl-1,1,1,3,5,5,5-heptamethyltrisiloxane 24937-16-4, Nylon-12  
25038-74-8 25265-75-2, Butylene glycol 29054-80-6,  
3-Propyl-1,1,1,3,5,5,5-heptamethyltrisiloxane 52845-07-5, Isoleicosane  
58958-60-4, Isostearyl neopentanoate 83138-62-9, Polyglyceryl  
isostearate 145686-34-6, Abil EM 90 194615-27-5, Mirasil C-DPDM  
440121-30-2, Unitwix 444885-34-1, Bentone Gel VS-5V  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(cosmetic composition comprising emulsion containing alkyltrisiloxane)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:103615 CAPLUS Full-text

DOCUMENT NUMBER: 144:176908

TITLE: Water-in-oil emulsion comprising a  
non-volatile non-silicone oil, cationic and nonionic  
surfactants, and an alkylmonoglycoside or  
alkylpolyglycoside

INVENTOR(S): Fack, Geraldine; Pourille-Grethen, Chrystel

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: U.S. Pat. Appl. Publ., 8 pp.  
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20060024258	A1	20060202	US 2005-192083	20050729
FR 2873572	A1	20060203	FR 2004-8537	20040802
FR 2873572	B1	20070309		
EP 1627667	A1	20060222	EP 2005-291631	20050801
EP 1627667	B1	20081001		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
BR 2005003279	A	20060502	BR 2005-3279	20050801
AT 409511	T	20081015	AT 2005-291631	20050801
ES 2315818	T3	20090401	ES 2005-291631	20050801
JP 2006045232	A	20060216	JP 2005-223781	20050802
PRIORITY APPLN. INFO.:			FR 2004-8537	A 20040802
			US 2004-609828P	P 20040915

OTHER SOURCE(S): MARPAT 144:176908

ED Entered STN: 03 Feb 2006

- AB A hair composition in the form of an water-in-oil emulsion, containing at least one non-volatile non-silicone oil, at least one cationic surfactant, at least one nonionic surfactant, and from 0.01% to 10% by weight relative to the total weight of the composition of at least one material selected from (C12-30 alkyl)monoglycosides and (C12-30 alkyl)polyglycosides. A water-in-oil emulsiton contained iso-Pr myristate 9..25, 3-polyglyceryl isostearate and sorbitan isostearate0.75, 15% arachidylglucoside 0.15, 80% behenyltrimethylammonium chloride 4, and water q.s. 100%.
- INCL 424070400; 424070280; 424074000
- CC 62-3 (Essential Oils and Cosmetics)
- ST hair emulsion oil cationic nonionic surfactant  
alkylmonoglycoside alkylpolyglycoside
- IT Alcohols, uses  
RL: NUU (Other use, unclassified); USES (Uses)  
(C1-4; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Glycosides  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C12-30 alkyl; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Ketones, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C3-4; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Alkanes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C5-10; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Glycosides  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(alkyl polyglycosides, C12-30; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(almond; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(animal; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(apricot kernel; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(avocado; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Surfactants  
(cationic; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and

- alkylmonoglycoside or alkylpolyglycoside)
- IT Hair preparations
  - (conditioners; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Hair preparations
  - (emulsions; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Fatty acids, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (esters; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Alcohols, biological studies
  - Fatty acids, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (ethoxylated; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Amides, biological studies
  - Amines, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (fatty, ethoxylated; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Alcohols, biological studies
  - Esters, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (fatty; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Oils
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (fluorinated; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Fats and Glyceridic oils, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (grape seed; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Fats and Glyceridic oils, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (hazelnut; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Castor oil
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (hydrogenated, ethoxylated; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Surfactants
  - (nonionic; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Calophyllum
  - (oils; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)



- IT Alcohols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polyhydric; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(sesame; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(vegetable, ethoxylated; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(vegetable; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Solvents  
(water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Amine oxides  
Castor oil  
Coconut oil  
Corn oil  
Jojoba oil  
Olive oil  
Palm oil  
Paraffin oils  
Peanut oil  
Polyolefins  
Polysiloxanes, biological studies  
Quaternary ammonium compounds, biological studies  
Rape oil  
Safflower oil  
Soybean oil  
Sunflower oil  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(wheat germ; water-in-oil emulsion comprising non-volatile non-silicone oil, cationic and nonionic surfactants, and alkylmonoglycoside or alkylpolyglycoside)
- IT 57-50-1D, Sucrose, esters with fatty acids 64-19-7D,  
Acetic acid, C1-4 alkyl derivs. 110-27-0, Isopropyl myristate 110-71-4  
111-01-3, PerHydrosqualene 112-02-7, Cetyltrimethylammonium chloride  
112-72-1, Myristyl alcohol 112-92-5, Stearyl alcohol 123-95-5, Butyl  
stearate 142-91-6, Isopropyl palmitate 488-43-7D, Glucamine, N-(C6-24  
alkyl) derivs. 629-96-9, Arachidyl alcohol 629-98-1, Erucyl alcohol  
661-19-8, Behenyl alcohol 9005-63-4D, Polyoxyethylene sorbitan, fatty  
esters 17301-53-0, Behenyltrimethylammonium chloride 22766-83-2,  
2-Octyldodecyl myristate 29806-73-3, 2-Ethylhexyl palmitate  
31807-55-3, Isododecane 34316-64-8, Hexyl laurate 34362-27-1,  
2-Hexyldecyl laurate 36653-82-4, Cetyl alcohol 42131-25-9, Isononyl

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isononanoate 58958-60-4, Isostearyl neopentanoate 71902-01-7, Sorbitan  
 isostearate 73506-93-1, Diethoxyethane 77752-14-8, Pur-Cellin Oil  
 83138-62-9, Polyglyceryl isostearate 105859-93-6, Tridecyl  
 neopentanoate 122703-32-6, Methylglucose dioleate 134112-33-7,  
 2-Octyldecyl palmitate 158731-68-1, Arlacel 1690 239797-88-7, Montanov  
 202

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (water-in-oil emulsion comprising non-volatile non-silicone  
 oil, cationic and nonionic surfactants, and alkylmonoglycoside or  
 alkylpolyglycoside)

L36 ANSWER 19 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:1235707 CAPLUS Full-text

DOCUMENT NUMBER: 143:477029

TITLE: Oil-in-water emulsion for delivery in food,  
 cosmetic and pharmaceutical systems.

PATENT ASSIGNEE(S): Nestec S.A., Switz.

SOURCE: Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1597973	A1	20051123	EP 2004-11749	20040518
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
EP 1598060	A1	20051123	EP 2004-22046	20040916
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
AU 2005244443	A1	20051124	AU 2005-244443	20050518
CA 2565239	A1	20051124	CA 2005-2565239	20050518
WO 2005110370	A1	20051124	WO 2005-EP5411	20050518
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1758556	A1	20070307	EP 2005-779908	20050518
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1953735	A	20070425	CN 2005-80015930	20050518
BR 2005010147	A	20071002	BR 2005-10147	20050518
JP 2007538040	T	20071227	JP 2007-517083	20050518
US 20070213234	A1	20070913	US 2007-569338	20070130
PRIORITY APPLN. INFO.:			EP 2004-11749	A 20040518
			EP 2004-22046	A 20040916
			WO 2005-EP5411	W 20050518

ED Entered STN: 23 Nov 2005

AB The present invention concerns an oil-in-water emulsion wherein the oil  
 droplets of a diameter in the range of 5 nm to hundreds of micrometers exhibit

a nano-sized structurization with hydrophilic domains with a diameter size in the range of 0.5-50 nm and being formed by a lipophilic additive.

- IC ICM A23D007-01
- ICS A23L001-30; A23L001-22; A61K009-16; A61K009-51
- CC 17-9 (Food and Feed Chemistry)
- Section cross-reference(s): 62, 63
- ST oil water emulsion manuf food cosmetic drug
- IT Monoglycerides
  - RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
  - (C16-18 and C18-unsatd.; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Monoglycerides
  - RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
  - (C6-C20 fatty acid-containing; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Polymers, biological studies
  - RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
  - (block; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Glycerophospholipids
  - RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
  - (cephalins; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Drug delivery systems
  - (emulsions; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Embryophyta
  - Plants
  - (exts.; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Vitamins
  - RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
  - (fat-soluble; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Avena sativa
  - (lipids of; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Alcohols, biological studies
  - RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
  - (long-chain; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Proteins
  - RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
  - (milk; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)

- IT Lipids, biological studies  
 RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
 (oat; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Cosmetics  
 Dietary supplements  
   Emulsifying agents  
 Food additives  
 Food emulsions  
 Freeze drying  
 Hydrophile-lipophile balance value  
 Hydrophilicity  
 Lipophilicity  
 Odor and Odorous substances  
 Stabilizing agents  
 Surfactants  
 (oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Alcohols, biological studies  
 Carbohydrates, biological studies  
 Cerebrosides  
 Diglycerides  
 Essential oils  
 Esters, biological studies  
   Fatty acids, biological studies  
 Gangliosides  
 Glycerides, biological studies  
 Glycerophospholipids  
 Glycolipids  
 Hydrocarbon oils  
 Hydrocarbons, biological studies  
 Lecithins  
 Linseed oil  
 Lipids, biological studies  
 Monoglycerides  
 Peptides, biological studies  
 Phospholipids, biological studies  
 Polyoxyalkylenes, biological studies  
 Protein hydrolyzates  
 Proteins  
 Sterols  
 Sulfatides  
 Terpenes, biological studies  
 Tocopherols  
 Waxes  
 RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
 (oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Emulsions  
 (oil-in-water, internally self-assembled (ISAMULSION); oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Flavor  
 Flavoring materials  
 (oils; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)

- IT Sterols  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(phytosterols; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Lipids, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(plant lipophilic amphiphilic; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Alcohols, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(polyhydric; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Fatty acids, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(polyunsatd.,  $\alpha$ - and  $\gamma$ -; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Drug delivery systems  
(powders; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Flavor  
Odor and Odorous substances  
(precursors; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Proteins  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(soybean; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Drying  
(spray; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Carbohydrates, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(sugar esters; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Carbohydrates, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(sugar ethers; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Hydrocolloids  
(surface active; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(vegetable, mono-tetraesters with sorbitol; oil-in-water

- emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(vegetable; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT 25322-68-3D, PEG, 5-10 hydrogenated castor oil derivs.  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(5-10 hydrogenated castor oil; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT 106392-12-5  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(Poloxamer; oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)
- IT 50-21-5D, Lactic acid, monoglyceride and diglyceride derivs. 50-70-4D, Sorbitol, vegetable oil mono-tetra esters 57-10-3, Palmitic acid, biological studies 57-11-4, Stearic acid, biological studies 57-50-1D, Sucrose, esters 57-55-6D, Propylene glycol, mono- and diesters 57-55-6D, Propylene glycol, mono- and diesters of C6-C20 fatty acids 58-95-7, Tocopheryl acetate 68-19-9, Vitamin B12 110-27-0, Isopropyl myristate 111-62-6, Ethyl oleate 112-80-1, Oleic acid, biological studies 115-83-3, Pentaerythritol tetrastearate 127-40-2, Lutein 127-40-2D, Lutein, esters 142-91-6, Isopropyl palmitate 143-07-7, Lauric acid, biological studies 303-98-0, Co Q10 502-65-8, Lycopene 544-35-4, Ethyl linoleate 544-63-8, Myristic acid, biological studies 1338-39-2, Sorbitan monolaurate 1338-41-6, Sorbitan monostearate 1406-16-2, Vitamin D 3008-50-2, Pentaerythritol caprylate 6829-55-6D, Tocotrienol, derivs. 7235-40-7,  $\beta$ -Carotene 8007-43-0, Sorbitan sesquioleate 8045-34-9, Pentaerythritol stearate 9000-01-5, Gum arabic 9002-92-0 9004-95-9 9004-96-0 9004-98-2 9004-99-3 9005-00-9 9005-07-6 9005-08-7 9005-63-4D, Polyoxyethylene sorbitan, esters 9005-65-6, Tween 80 9011-29-4 10332-32-8 11138-66-2, Xanthan gum 12441-09-7D, Sorbitan, esters 13081-97-5, Pentaerythritol distearate 22882-95-7, Isopropyl linoleate 25322-68-3D, PEG, 3-16 castor oil derivs. 25322-68-3D, PEG, 4-capric/caprylic triglyceride derivs. 25322-68-3D, PEG, 5-20 soya sterols 25322-68-3D, PEG, 6 hydrogenated palm kernel oil derivs. 25322-68-3D, PEG, 6 olive oil derivs. 25322-68-3D, PEG, 6 palm kernel oil derivs. 25322-68-3D, PEG, 6 peanut oil derivs 25322-68-3D, PEG, 6-20 almond oil derivs. 25322-68-3D, PEG, 6-20 corn oil derivs. 25618-55-7D, Polyglycerol, esters 25637-97-2, Sucrose dipalmitate 26266-57-9, Sorbitan monopalmitate 26266-58-0, Sorbitan trioleate 26658-19-5, Sorbitan tristearate 26855-43-6D, Triglycerol monostearate, cholesterol derivs. 27195-16-0, Sucrose distearate 51591-38-9D, Diacetyl tartaric acid, monoglyceride esters 51938-44-4, Sorbitan sesquisteate 54392-26-6, Sorbitan monoisostearate 57828-26-9, Lipoic acid 61725-93-7, Polyglyceryl-distearate 69070-98-0 94555-53-0, Pentaerythritol caprate 98913-68-9, Pentaerythritol isostearate 146478-45-7 354575-58-9 403821-12-5 691397-13-4, Pluronic F127  
RL: COS (Cosmetic use); FFD (Food or feed use); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)  
(oil-in-water emulsion for delivery in food, cosmetic and pharmaceutical systems)

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REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 20 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2005:673745 CAPLUS Full-text  
 DOCUMENT NUMBER: 143:138670  
 TITLE: Low viscosity W/O emulsions without O/W emulsifiers for cosmetic compositions  
 INVENTOR(S): Kroepke, Rainer; Heptner, Astrid; Tesch, Mirko; Weingarz, Yvonne; Bleckmann, Andreas; Sugar, Martin  
 PATENT ASSIGNEE(S): Beiersdorf Ag, Germany  
 SOURCE: Eur. Pat. Appl., 35 pp.  
 CODEN: EPXXDW  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1557153	A1	20050727	EP 2004-106601	20041215
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU				
DE 102004002997	A1	20050804	DE 2004-102004002997	20040119
PRIORITY APPLN. INFO.:			DE 2004-102004002997A	20040119
ED Entered STN: 31 Jul 2005				
AB The invention concerns cosmetic and dermacol. compns. based on low viscosity W/O or W/S emulsions that contain only one or more W/O emulsifier; the viscosity of the prepns. is 50-2000 mPas, preferably 100-600 mPas. Medium polar or apolar lipids are included with surface tension facing water 20-30 mM/m. Sunscreens, self-tanning formulations and insect repellents are prepared Thus a composition contained (weight/weight%): alc. 3.00; sodium chloride aqueous solution 0.30; PEG-45-dodecyl glycol copolymer 1.00; polyglyceryl-2 dipolyhydroxystearate 2.00; Cetyl PEG/PPG-10/1 dimethicone 2.50; trisodium EDTA 1.00; methylparaben 0.20; bis-ethylhexyloxyphenol methoxyphenyl triazine 2.00; ethylhexyl triazone 3.00; ethylhexyl methoxycinnamate + BHT 8.00; glycerin 5.00; butylene glycol dicaprylate/dicaprate 7.00; dicaprylyl carbonate 7.00; perfume 0.20; magnesium sulfate 0.50; cyclomethicone 15.00; water 32.00;.				
IC ICM A61K007-00 ICS A61K007-42				
CC 62-4 (Essential Oils and Cosmetics) Section cross-reference(s): 63				
ST cosmetic emulsion viscosity emulsifier sunscreen insect repellent				
IT Emulsions (W/S; low viscosity W/O emulsions without O/W emulsifiers for cosmetic compns.)				
IT Cosmetics (emulsions; low viscosity W/O emulsions without O/W emulsifiers for cosmetic compns.)				
IT Castor oil RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (hydrogenated, ethoxylated; low viscosity W/O emulsions without O/W emulsifiers for cosmetic compns.)				
IT Castor oil RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses) (hydrogenated; low viscosity W/O emulsions without O/W emulsifiers for cosmetic compns.)				

- IT Beeswax
  - Emulsifying agents
  - Insect repellents
  - Interfacial tension
  - Ozocerite
  - Polarity
  - Sunscreens
  - Suntanning agents
  - Viscosity
  - Water-resistant materials
    - (low viscosity W/O emulsions without O/W emulsifiers for cosmetic compns.)
- IT Lanolin
  - Lecithins
  - Lipids, biological studies
  - Paraffin oils
  - Polysiloxanes, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
    - (low viscosity W/O emulsions without O/W emulsifiers for cosmetic compns.)
- IT Hydrocarbon waxes, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
    - (microcryst.; low viscosity W/O emulsions without O/W emulsifiers for cosmetic compns.)
- IT Cosmetics
  - (moisturizers; low viscosity W/O emulsions without O/W emulsifiers for cosmetic compns.)
- IT Emulsions
  - (water-in-oil; low viscosity W/O emulsions without O/W emulsifiers for cosmetic compns.)
- IT 79-10-7D, 2-Propenoic acid, esters, polymers
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
    - (acrylate/alkylacrylate polymers; low viscosity W/O emulsions without O/W emulsifiers for cosmetic compns.)
- IT 57-11-4, Stearic acid, biological studies 65-85-0D, Benzoic acid, C12-C15 alkyl esters 107-88-0D, 1,3-Butanediol, C8-10 fatty acid esters 1330-70-7 1680-31-5, Dicaprylyl carbonate 5466-77-3, 2-Ethylhexyl-4-methoxycinnamate 9007-48-1, Polyglyceryl-Oleate 13463-67-7, Titanium dioxide, biological studies 27503-81-7 34316-64-8, Hexyl laurate 37318-79-9, Sorbitanoleate 56451-84-4, Sorbitan stearate 61332-02-3, Glycerylisostearate 63705-03-3, Polyglyceryl-Diisostearate 70356-09-1 71902-01-7, Sorbitan isostearate 83138-62-9, Polyglyceryl isostearate 88122-99-0 98913-68-9, Pentaerythritol isostearate 106392-12-5, Poloxamer 101 122703-32-6, Methylglucose dioleate 144470-58-6, Polyglyceryl dipolyhydroxystearate 145686-34-6, Cetyl dimethicone copolyol 146478-45-7, Polyglyceryl dioleate 191419-26-8 403641-07-6, Dragophos S 2/918501
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
    - (low viscosity W/O emulsions without O/W emulsifiers for cosmetic compns.)

REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 21 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:672606 CAPLUS Full-text

DOCUMENT NUMBER: 143:158755

TITLE: Simulated vernix compositions for skin cleansing

INVENTOR(S): Hoath, Steven B.; Pickens, William L.; Visscher, Martha O.; Tansirikongkol, Anyarporn; Wickett, Richard



# Dennis Heyer 10/580,575

PATENT ASSIGNEE(S): Randall  
Children's Hospital Medical Center, USA; University of Cincinnati  
SOURCE: U.S. Pat. Appl. Publ., 39 pp., Cont.-in-part of U.S. Ser. No. 512,933.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 2  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20050163812	A1	20050728	US 2005-38362	20050119
WO 2003092646	A1	20031113	WO 2003-US13612	20030502
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20050232890	A1	20051020	US 2005-512933	20050510
PRIORITY APPLN. INFO.:			US 2002-377430P	P 20020503
			US 2003-439966P	P 20030114
			WO 2003-US13612	W 20030502
			US 2005-512933	A2 20050510

ED Entered STN: 29 Jul 2005  
AB A composition and a method of producing a composition which simulates hydration, cleansing and other properties of native vernix are disclosed. The composition contains hydrated synthetic cells in a lipid matrix to provide properties which are substantially similar to those of native vernix, and may also contain proteins. The composition contains water-in-oil emulsified particles providing water vapor transport and evaporative water loss properties simulating native vernix. The composition contains cubosomes/water with up to 30% protein and 5-30% lipid. The composition may be used to cleanse newborn skin, compromised skin surfaces, as well as normal skin, to provide hydration/barrier function, and other applications.  
IC ICM A61K009-00  
INCL 424400000  
CC 62-4 (Essential Oils and Cosmetics)  
IT Beeswax  
Emulsifying agents  
Hydrophile-lipophile balance value  
Newborn  
Skin  
(simulated vernix compns. for skin cleansing)  
IT Ceramides  
Fatty acids, biological studies  
Glycerides, biological studies  
Lanolin  
Lipids, biological studies  
Paraffin oils  
Petrolatum  
Phospholipids, biological studies  
Waxes  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

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(simulated vernix compns. for skin cleansing)  
 IT 56-81-5, Glycerin, biological studies 57-88-5, Cholest-5-en-3-ol  
 (3 $\beta$ )-, biological studies 57-88-5D, Cholesterol, esters 60-33-3,  
 Linoleic acid, biological studies 94-13-3, Propylparaben 99-76-3,  
 Methylparaben 111-02-4, Squalene 112-92-5, 1-Octadecanol 1256-86-6,  
 Cholesterol sulfate 7487-88-9, Magnesium sulfate, biological studies  
 8007-43-0 9007-48-1 63705-03-3, Polyglyceryl diisostearate  
 83138-62-9, Polyglyceryl isostearate 110734-66-2, Abil WE 09  
 145686-34-6, Cetyl dimethicone copolyol 206451-21-0 338741-74-5,  
 Ceramide III 827596-80-5, Arlacel P 135  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (simulated vernix compns. for skin cleansing)

L36 ANSWER 22 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2005:441221 CAPLUS Full-text  
 DOCUMENT NUMBER: 146:427801  
 TITLE: UV-photoprotecting composition containing silicones  
 AUTHOR(S): Anon.  
 CORPORATE SOURCE: USA  
 SOURCE: IP.com Journal (2004), 4(10), 19 (No.  
 IPCOM000031164D), 15 Sep 2004  
 CODEN: IJPOBX; ISSN: 1533-0001  
 PUBLISHER: IP.com, Inc.  
 DOCUMENT TYPE: Journal; Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IP 31164D		20040915	IP 2004-31164D	20040915
PRIORITY APPLN. INFO.:			IP 2004-31164D	20040915
ED Entered STN: 25 May 2005				
AB Described is the use of an effective UV-photoprotecting composition that contains at least one micronized organic insol. UV-screening agent with a mean particle size from 0.01 $\mu$ m to 2 $\mu$ m in cosmetic or pharmaceutical W/O or W/Si preps.				
CC 62-4 (Essential Oils and Cosmetics) Section cross-reference(s): 63				
ST silicone UV photoprotectant cosmetic emulsion				
IT Cosmetic emulsions Emulsifying agents Pharmaceutical emulsions Photoprotectants (UV-photoprotecting composition containing silicones)				
IT Fatty acids, biological studies RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (rape-oil, esters with sorbitol, Emulsogen SRO; UV-photoprotecting composition containing silicones)				
IT Emulsions (water-in-oil; UV-photoprotecting composition containing silicones)				
IT 56-81-5, Glycerin, biological studies 57-55-6, Propylene Glycol, biological studies 77-92-9, Citric Acid, biological studies 110-27-0, Tegosoft M 111-01-3, Pripure 3759 541-02-6, DC 345 557-04-0, Magnesium Stearate 2116-84-9, DC 556 2915-53-9, Bernel Ester DCM 3687-46-5, Tegosoft DO 5466-77-3, Tinosorb OMC 9002-92-0, Rhodasurf L 790 10034-99-8, Magnesium Sulfate heptahydrate 42557-10-8, DC 200 54846-79-6, Arlatone T 60842-32-2, Aerosil R 972 83138-62-9, Isolan GI 34 103597-45-1, Tinosorb M 109485-61-2, Arlamol HD				

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141732-90-3, Nikkol Hexaglyn PR 15 144747-22-8, Nikkol Decaglyn 5HS  
 156327-07-0, Dow Corning 5562 158731-68-1, Arlacel 1689 165745-27-7,  
 Germall Plus 170211-20-8, Hostacerin DGI 197527-61-0, Crodamol AB  
 217434-83-8, Isolan PDI 217468-44-5, Arlamol S7 240418-70-6, SF 1555  
 644994-67-2, Nexbase 2004FG 886997-61-1, Elfacos ST 9 896711-99-2,  
 Tegosoft TN 934409-33-3, Sympatens W 4500 934409-45-7, Belsil VSR  
 100VP

RL: COS (Cosmetic use); THU (Therapeutic use); BIOL (Biological  
 study); USES (Uses)

(UV-photoprotecting composition containing silicones)

L36 ANSWER 23 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:1154308 CAPLUS Full-text

DOCUMENT NUMBER: 142:79600

TITLE: Cosmetic deodorant compositions containing a  
 semi-crystalline polymer

INVENTOR(S): Prud'homme, Estelle; Douin, Veronique

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: Eur. Pat. Appl., 15 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1491182	A2	20041229	EP 2004-291237	20040514
EP 1491182	A3	20050622		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
US 20050031565	A1	20050210	US 2004-874733	20040624
PRIORITY APPLN. INFO.:			FR 2003-7804	A 20030627
			US 2003-516739P	P 20031104

ED Entered STN: 30 Dec 2004

AB Cosmetic deodorant compns. contain a semi-crystalline polymer. Thus, a  
 formulation contained cetyl PEG/PPG dimethicone 1.50, polyglyceryl isostearate  
 0.50, isohexadecane 15.50, polybehenyl acrylate 1.50, cyclohexasiloxane 8.28,  
 Expancel-551 1.00, aluminum chlorohydrate 40.00, aluminum starch octenyl  
 succinate 3.00, perfume 0.10, and water 28.85%.

IC ICM A61K007-32

CC 62-4 (Essential Oils and Cosmetics)

IT Cosmetics

(emollients; cosmetic deodorant compns. containing semi-crystalline  
 polymer)

IT Fatty acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(esters, with polyols; cosmetic deodorant compns. containing semi-  
 crystalline  
 polymer)

IT 57-55-6D, Propylene glycol, complexes with aluminum salts 72-17-3,  
 Sodium lactate 74-85-1D, Ethylene, polymers with acrylates 79-10-7D,  
 Acrylic acid, polymers 79-41-4D, Methacrylic acid, polymers 97-65-4D,  
 Itaconic acid, polymers 100-42-5D, Styrene, alkyl derivs., polymers  
 108-31-6D, Maleic anhydride, polymers 110-16-7D, Maleic acid, polymers  
 295-01-2, Cyclohexasiloxane 1327-41-9, Aluminum hydroxychloride  
 3724-65-0D, Crotonic acid, polymers 7429-90-5D, Aluminum, salts  
 7440-67-7D, Zirconium, salts 9002-88-4, Polyethylene 9005-25-8,  
 Starch, biological studies 10043-01-3, Aluminum sulfate 10119-31-0,  
 Zirconium hydroxychloride 10284-64-7, Aluminum dichlorohydrate

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12173-47-6, Hectorite 18917-91-4, Aluminum lactate 24937-16-4, Orgasol 2002EXD 25322-68-3D, Polyethylene glycol, complexes with aluminum salts 25986-77-0 30399-84-9D, Isostearic acid, ester with polyols 37225-44-8 53026-85-0, Aluminum chlorohydrate 53026-85-0D, Aluminum chlorohydrate, complexes 60908-77-2, Isohexadecane 83138-62-9, Polyglyceryl isostearate 98106-52-6, Aluminum zirconium tetrachlorohydrate 98106-53-7, Aluminum zirconium trichlorohydrate 98106-55-9, Aluminum zirconium octachlorohydrate 114654-13-6, Expancel 551 125913-22-6, Aluminum zirconium pentachlorohydrate glycine 134375-99-8, Aluminum Zirconium Trichlorohydrate Gly 134910-86-4, Aluminum Zirconium Tetrachlorohydrate Gly 145686-34-6, Abil EM90 173762-83-9, Aluminum zirconium pentachlorohydrate 173763-15-0, Aluminum sesquichlorohydrate 174514-58-0, Aluminum Zirconium Octachlorohydrate Gly 221694-42-4D, Aluminum sesquichlorohydrate PEG, complexes 773082-14-7D, Aluminum dichlorohydrate, complexes

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cosmetic deodorant compns. containing semi-crystalline polymer)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 24 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:1060493 CAPLUS Full-text

DOCUMENT NUMBER: 142:43468

TITLE: Sunscreen compositions containing a glucoside emulsifier

INVENTOR(S): Huerta, Jose L.; Sanogueira, James; Fuller, Jennifer

PATENT ASSIGNEE(S): Playtex Products, Inc., USA

SOURCE: U.S. Pat. Appl. Publ., 8 pp., Cont.-in-part of U.S. Ser. No. 957,920.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20040247543	A1	20041209	US 2004-836308	20040430
US 7416719	B2	20080826		
US 20030059383	A1	20030327	US 2001-957920	20010921
US 6830746	B2	20041214		

PRIORITY APPLN. INFO.: US 2001-957920 A2 20010921

ED Entered STN: 10 Dec 2004

AB The present invention is a sunscreen composition that has at least one sunscreen agent and at least one glucoside emulsifier such as lauryl glucoside. The composition also has water. Preferably, the sunscreen composition also has at least one of the following addnl. components: an emulsifier other than glucoside, emollient, skin-feel additive, moisturizing agent, film former/waterproofing agent, pH adjuster/chelating agent, preservative, or any combinations thereof. The composition is a stable oil-in-water emulsion.

IC ICM A61K007-42

INCL 424059000

CC 62-4 (Essential Oils and Cosmetics)

ST sunscreen emulsion glucoside emulsifier

IT Alcohols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(C16-18; sunscreen compns. containing a glucoside emulsifier)

IT Cyclosiloxanes

RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological

study); USES (Uses)  
(di-Me; sunscreen compns. containing a glucoside emulsifier)  
IT Fatty acids, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(estere; sunscreen compns. containing a glucoside emulsifier)  
IT Aloe barbadensis  
(exts.; sunscreen compns. containing a glucoside emulsifier)  
IT Lanolin  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(oil; sunscreen compns. containing a glucoside emulsifier)  
IT Petrolatum  
RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)  
(red; sunscreen compns. containing a glucoside emulsifier)  
IT Emulsifying agents  
Sunscreens  
(sunscreen compns. containing a glucoside emulsifier)  
IT Castor oil  
Cocoa butter  
Coconut oil  
Glycerides, biological studies  
Glycosides  
Jojoba oil  
Lanolin  
Olive oil  
Paraffin oils  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(sunscreen compns. containing a glucoside emulsifier)  
IT 21245-02-3, Octyl dimethyl PABA  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(Octyl di-Me PABA; sunscreen compns. containing a glucoside emulsifier)  
IT 95-14-7, 1H-Benzotriazole 118-56-9, Homosalate 118-60-5, Octyl salicylate 131-53-3, Benzophenone-8 131-54-4, Benzophenone-6 131-55-5, Benzophenone-2 131-56-6, Benzophenone-1 131-57-7, Benzophenone-3 134-20-3, Methyl anthranilate 136-44-7, Glyceryl PABA 150-13-0, Paba 1314-13-2, Zinc oxide, biological studies 1843-05-6, Benzophenone-12 2174-16-5 4065-45-6, Benzophenone-4 5466-77-3, Octyl methoxycinnamate 6197-30-4, Octocrylene 27503-81-7, 2-Phenylbenzimidazole-5-sulfonic acid 36861-47-9, 3-(4-Methylbenzylidene)camphor 70356-09-1, Avobenzene 79461-57-7 103597-45-1  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(sunscreen compns. containing a glucoside emulsifier)  
IT 93-83-4, Oleamide DEA 126-58-9D, Dipentaerythritol, fatty acid esters 137-16-6, Sodium lauroyl sarcosinate 661-19-8, Behenyl alcohol 2915-53-9, Dicapryl maleate 8007-43-0, Sorbitan sesquioleate 9003-39-8D, Pvp, butylated 9006-65-9, Dimethicone 9007-48-1, Polyglycerol oleate 11099-07-3, Glyceryl stearate 13557-75-0 25618-55-7D, Polyglycerol, fatty acid esters 26266-58-0, Sorbitan trioleate 27014-42-2 27836-64-2, Lauryl glucoside 36653-82-4, Cetyl alcohol 37318-79-9, Sorbitan oleate 37350-42-8 63705-03-3, Polyglycerol diisostearate 100359-41-9, Glyceryl stearate citrate 138342-00-4 227755-70-6 290346-00-8 804553-21-7  
RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)  
(sunscreen compns. containing a glucoside emulsifier)

REFERENCE COUNT: 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 25 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2004:1036869 CAPLUS Full-text  
 DOCUMENT NUMBER: 142:11207  
 TITLE: Hair care emulsions comprising nonionic  
 surfactants in oil phase  
 INVENTOR(S): Ishikubo, Akira; Kawasoe, Tomoyuki; Takeda, Shunsuke  
 PATENT ASSIGNEE(S): Shiseido Co., Ltd., Japan  
 SOURCE: PCT Int. Appl., 25 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004103324	A1	20041202	WO 2004-JP7532	20040526
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2004346047	A	20041209	JP 2003-147185	20030526
JP 4010980	B2	20071121		
JP 2005089366	A	20050407	JP 2003-324603	20030917
CN 1794965	A	20060628	CN 2004-80014517	20040526
US 20070274943	A1	20071129	US 2007-558202	20070118
PRIORITY APPLN. INFO.:			JP 2003-147185	A 20030526
			JP 2003-324603	A 20030917
			WO 2004-JP7532	W 20040526

ED Entered STN: 03 Dec 2004

AB A hair care emulsion comprises a nonionic surfactant being solid at ordinary temps. and having a Krafft point of 40°C or above, an oil, and water with the mean particle diameter of dispersoids being 0.5 µm or below. A hair care emulsion consists of an oil-in-water emulsion containing as the oil phases the following 2 kinds of oil phases: (1) an oil phase made of a nonionic surfactant which is solid at ordinary temps. and has a Krafft point of 40°C or above and having a mean particle diameter of 0.5 µm or below and (2) an oil phase made of a surfactant and/or an alkyl-modified carboxyvinyl polymer and having a mean particle diameter of 0.5 to 100µm. For example, a hair cream contained ethanol 10, carboxyvinyl polymer 0.35, NaOH 0.2, phenoxyethanol q.s., trisodium edetate q.s., polyoxyethylene-polyoxypropylene copolymer Me ether 1, glycerin 2, dipropylene glycol 2, diglycerin 1, sucrose monostearate 2, dimethylpolysiloxane 10, high-mol. weight dimethylpolysiloxane 1, polyoxyethylene-polyoxypropylene-methylpolysiloxane copolymer 1, and distilled water balance to 100 %.

IC ICM A61K007-06

CC 62-3 (Essential Oils and Cosmetics)

ST hair emulsion nonionic surfactant sucrose ester polysiloxane

IT Fatty acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(C16-18, esters with sucrose; hair care emulsions comprising

nonionic surfactants in oil phase)

IT Vinyl compounds, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (carboxy-containing, polymers; hair care emulsions comprising  
 nonionic surfactants in oil phase)

IT Hair preparations  
 (creams; hair care emulsions comprising nonionic surfactants  
 in oil phase)

IT Hair preparations  
 (emulsions; hair care emulsions comprising nonionic  
 surfactants in oil phase)

IT Krafft point  
 (hair care emulsions comprising nonionic surfactants in oil  
 phase)

IT Polysiloxanes, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (hair care emulsions comprising nonionic surfactants in oil  
 phase)

IT Hair preparations  
 (mousses; hair care emulsions comprising nonionic surfactants  
 in oil phase)

IT Hair preparations  
 (sprays; hair care emulsions comprising nonionic surfactants  
 in oil phase)

IT 57-50-1D, Sucrose, fatty acid esters 9009-32-9  
 , Polyglycerin stearate 9016-00-6, Dimethylpolysiloxane 9062-04-8,  
 Synthalen L 25168-73-4, Sucrose monostearate 25496-92-8, Sucrose  
 monooleate 25618-55-7D, Polyglycerin, fatty acid  
 esters 31900-57-9, Dimethylsilanediol homopolymer  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (hair care emulsions comprising nonionic surfactants in oil  
 phase)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 26 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2004:5108 CAPLUS Full-text

DOCUMENT NUMBER: 140:64706

TITLE: Cosmetic foundations comprising an oil-in-water  
 emulsion

INVENTOR(S): Gardel, Nadia; Barrois, Veronique

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Eur. Pat. Appl., 19 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
EP 1374835	A1	20040102	EP 2003-11823	20030526
EP 1374835	B1	20050824		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
FR 2841464	A1	20040102	FR 2002-7937	20020626
FR 2841464	B1	20060127		
FR 2841465	A1	20040102	FR 2002-12190	20021002
FR 2841465	B1	20060127		
AT 302578	T	20050915	AT 2003-11823	20030526

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ES 2248673	T3	20060316	ES 2003-11823	20030526
KR 2004002712	A	20040107	KR 2003-41701	20030625
KR 542066	B1	20060110		
JP 2004026833	A	20040129	JP 2003-181606	20030625
CN 1471903	A	20040204	CN 2003-148766	20030625
CN 1237956	C	20060125		
US 20050008592	A1	20050113	US 2003-603698	20030626
PRIORITY APPLN. INFO.:			FR 2002-7937	A 20020626
			FR 2002-12190	A 20021002
			US 2002-401028P	P 20020806

ED Entered STN: 05 Jan 2004

AB Cosmetic foundations comprise an oil-in-water emulsion made up of a lipophilic phase, an aqueous phase, a C8-22 alkyl dimethicone copolyol, a dimethicone copolyol, and hydrophobic coated pigments. The foundation is stable for 2 mo at 25°. A cosmetic foundation contained isododecane 13, cyclopentasiloxane 16, cyclohexasiloxane 8, polydimethylsiloxane (DC 200 Fluid) 2, isoeicosane 3, cetyl dimethicone copolyol 0.8, dimethicone copolyol (KF6017) 5, polyglycerol isostearate 0.6, hectorite 1.4, and perfluoroalkylphosphate-coated iron oxide 2, nylon powder 4, butylene glycol 10, sodium chloride 0.7, preservatives and water qs to 100 g.

IC ICM A61K007-02

CC 62-4 (Essential Oils and Cosmetics)

ST cosmetic foundation emulsion dimethicone copolyol pigment; oil water cosmetic foundation polysiloxane

IT Amino acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(N-acyl; cosmetic foundations comprising oil-in-water emulsion)

IT Pearl

(cosmetic foundations comprising oil-in-water emulsion)

IT Fatty acids, biological studies

Hydrocarbon oils

Lecithins

Mica-group minerals, biological studies

Oxides (inorganic), biological studies

Polysiloxanes, biological studies

Soaps

Waxes

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(cosmetic foundations comprising oil-in-water emulsion)

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(di-Me, Me hydrogen polysiloxane-; cosmetic foundations comprising oil-in-water emulsions)

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(di-Me, Me hydrogen, polyoxyalkylene-; cosmetic foundations comprising oil-in-water emulsions)

IT Polysiloxanes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(di-Me, hydroxyalkyl Me, ethoxylated; cosmetic foundations comprising oil-in-water emulsion)

IT Silanes

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(fluoroalkyl; cosmetic foundations comprising oil-in-water emulsion)

IT Cosmetics

(foundations; cosmetic foundations comprising oil-in-water emulsion)

IT 107-46-0, Hexamethyl disiloxane 107-51-7, OctaMethyl trisiloxane



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116-15-4D, Hexafluoropropylene, derivs. 141-62-8, Decamethyl tetrasiloxane 141-63-9, Dodecamethyl pentasiloxane 355-42-0, TetraDecafluorohexane 540-97-6, Dodecamethyl Cyclohexasiloxane 541-02-6, Decamethyl cyclopentasiloxane 556-67-2, Octamethyl cyclotetrasiloxane 678-26-2, Dodecafluoropentane 1332-37-2, Iron oxide, biological studies 1873-90-1, Heptamethyl hexyltrisiloxane 7787-59-9, Bismuth oxychloride 9016-00-6, Polydimethylsiloxane 10101-66-3, Manganese violet 12240-15-2, Prussian blue 13463-67-7, Titanium dioxide, biological studies 17955-88-3, Heptamethyloctyl trisiloxane 31807-55-3, Isododecane 31900-57-9, Polydimethylsiloxane 34464-38-5, Isodecane 42557-10-8, DC 200 51000-94-3, Decafluoropentane 57455-37-5, Ultramarine blue 60908-77-2, Isohexadecane 74428-80-1 83138-62-9, Polyglycerol isostearate 145686-34-6, Cetyl dimethicone copolyol 163702-05-4 163702-07-6

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(cosmetic foundations comprising oil-in-water emulsion)

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 27 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:1006734 CAPLUS Full-text

DOCUMENT NUMBER: 140:47048

TITLE: Cosmetic makeup compositions containing silicones

INVENTOR(S): Lu, Shaoxiang

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: PCT Int. Appl., 125 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 22

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003105798	A1	20031224	WO 2003-US18503	20030612
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 20030235548	A1	20031225	US 2002-166648	20020612
AU 2003245456	A1	20031231	AU 2003-245456	20030612
EP 1524961	A1	20050427	EP 2003-739096	20030612
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
CN 1658829	A	20050824	CN 2003-813453	20030612
JP 2006502101	T	20060119	JP 2004-512704	20030612
WO 2005060922	A1	20050707	WO 2003-US39502	20031212
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,			

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BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,  
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2003297905	A1	20050714	AU 2003-297905	20031212
US 20070231287	A1	20071004	US 2007-684703	20070312
PRIORITY APPLN. INFO.:			US 2002-166648	A 20020612
			WO 2003-US18503	W 20030612
			WO 2003-US39502	A 20031212

ED Entered STN: 26 Dec 2003

AB A cosmetic makeup emulsion for comprises an aqueous phase and a liquid fatty phase dispersed one within the other, the liquid fatty phase containing at least 1 silicone oil and being structured with at least one gelling polymer (homopolymer or copolymer) with an average mol. weight of 500-500,000. The polymer contains one moiety comprising at least one polyorganosiloxane group, composed of 1-1000 organosiloxane units in the chain of the moiety or in the form of a graft, and, at least 2 groups capable of establishing hydrogen interactions chosen, e.g., from among the ester, amide, sulfonamide, carbamate, and combinations thereof. Thus, a foundation contained 5 phases: Phase A; cyclopentasiloxane and dimethicone copolyol 8.0, polyglyceryl isostearate and hexyl laurate and cetyl (PPG/PEG) (1:10) dimethicone 3.5, and pigments 9.9%; Phase B1; cyclopentasiloxane 16.1, polyamide-polysiloxane 1.0, silicone-acrylates 12.0, Polytrap/cyclopentasiloxane 1.0, MA crosslinked polymer 4.0, and Nylon-12 1.0%; Phase B3; preservatives 0.4, disteardimonium hectorite 0.6, and propylene carbonate 0.2%; Phase C; water 40.0, MgSO4 1.0, methylparaben 0.7, and nonionic emulsifier 0.5%.

IC ICM A61K007-48

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

IT Cosmetics

(emollients; cosmetic makeup compns. containing silicones)

IT Cosmetics

(emulsions; cosmetic makeup compns. containing silicones)

IT Fatty acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(essential; cosmetic makeup compns. containing silicones)

IT 50-81-7, Vitamin C, biological studies 141-62-8, Decamethyltetrasiloxane 141-63-9, Dodecamethylpentasiloxane 294-40-6, Cyclopentasiloxane 540-97-6, Dodecamethylcyclohexasiloxane 556-67-2, Octamethylcyclotetrasiloxane 1314-13-2, Zinc oxide, biological studies 1332-37-2, Iron oxide, biological studies 1406-16-2, Vitamin D 1406-18-4, Vitamin E 3305-68-8, Trioyleyl phosphate 9011-14-7, Poly(methyl methacrylate) 9016-00-6, Polydimethyl siloxane 11103-57-4, Vitamin A 13463-67-7, Titanium oxide, biological studies 17955-88-3, Heptamethyloctyltrisiloxane 24937-16-4, Nylon-12 25038-74-8 26246-91-3, Polyvinyl laurate 31900-57-9, Polydimethyl siloxane 34316-64-8, Hexyl laurate 33138-62-9, Polyglyceryl isostearate 304430-48-6 477938-38-8

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cosmetic makeup compns. containing silicones)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 28 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:867937 CAPLUS Full-text

DOCUMENT NUMBER: 139:354156

TITLE: Water-in-oil makeup emulsions

INVENTOR(S): Simonnet, Jean-Thierry; Verloo, Aurore; Ozee, Emmanuelle

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Eur. Pat. Appl., 14 pp.

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CODEN: EPXXDW

DOCUMENT TYPE: Patent  
 LANGUAGE: French  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1358870	A1	20031105	EP 2003-290847	20030404
EP 1358870	B1	20060614		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
FR 2839259	A1	20031107	FR 2002-5512	20020502
FR 2839259	B1	20060224		
AT 329568	T	20060715	AT 2003-290847	20030404
ES 2266745	T3	20070301	ES 2003-290847	20030404
JP 2003321345	A	20031111	JP 2003-126655	20030501
JP 3950078	B2	20070725		
US 20040009131	A1	20040115	US 2003-426630	20030501
US 20050031560	A9	20050210		
PRIORITY APPLN. INFO.:			FR 2002-5512	A 20020502
			US 2002-393115P	P 20020703

ED Entered STN: 06 Nov 2003

AB Cosmetic makeup emulsions (foundations) comprise an aqueous phase and an oily phase, an alkyl C8-22 dimethicone copolyol (5%), and pigments encapsulated in hydrophobic substances. Thus, a formulation in the oily phase contained cyclohexasiloxane 33, Abil EM-90 4, iron oxides encapsulated in disodium stearyl glutamate 7, TiO2 encapsulated in disodium stearyl glutamate, Hectorite 0.7, and Aerosil R972 0.6 g; an aqueous phase comprised glycerol 3, NaCl 0.5, preservative qs and water qs to 100 g. The 2 phases were mixed to give a cosmetic foundation formulation.

IC ICM A61K007-48

ICS A61K007-42; A61K007-06; A61K007-02

CC 62-4 (Essential Oils and Cosmetics)

ST makeup emulsion water oil; dimethicone copolyol makeup emulsion

IT Fats and Glyceridic oils, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Arara; water-in-oil makeup emulsions)

IT Fats and Glyceridic oils, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (Calophyllum; water-in-oil makeup emulsions)

IT Isoalkanes

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (C8-16; water-in-oil makeup emulsions)

IT Amino acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (acyl; water-in-oil makeup emulsions)

IT Fats and Glyceridic oils, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (almond; water-in-oil makeup emulsions)

IT Fats and Glyceridic oils, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (apricot kernel; water-in-oil makeup emulsions)

IT Fats and Glyceridic oils, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (avocado; water-in-oil makeup emulsions)

IT Polyoxyalkylenes, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (di-Me, Me hydrogen polysiloxane-; water-in-oil makeup emulsions)

emulsions)

IT Polysiloxanes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(di-Me, Me hydrogen, polyoxyalkylene-; water-in-oil makeup emulsions)

IT Cosmetics  
(emollients; water-in-oil makeup emulsions)

IT Cosmetics  
(emulsions; water-in-oil makeup emulsions)

IT Lanolin  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(esters; water-in-oil makeup emulsions)

IT Glycols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(ethers; water-in-oil makeup emulsions)

IT Alcohols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(fatty; water-in-oil makeup emulsions)

IT Phosphates, biological studies  
Silanes  
Silazanes  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(fluoroalkyl; water-in-oil makeup emulsions)

IT Cosmetics  
(foundations; water-in-oil makeup emulsions)

IT Ethers, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(glycol; water-in-oil makeup emulsions)

IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(grape seed; water-in-oil makeup emulsions)

IT Cosmetics  
(makeups; water-in-oil makeup emulsions)

IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(mink; water-in-oil makeup emulsions)

IT Cosmetics  
(moisturizers; water-in-oil makeup emulsions)

IT Polysiloxanes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polyether-, perfluoro; water-in-oil makeup emulsions)

IT Fluoropolymers, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polyether-polysiloxane-; water-in-oil makeup emulsions)

IT Polysiloxanes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polyoxyalkylene-, graft; water-in-oil makeup emulsions)

IT Polyoxyalkylenes, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polysiloxane-, graft; water-in-oil makeup emulsions)

IT Polyethers, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(polysiloxane-, perfluoro; water-in-oil makeup emulsions)

IT Alcohols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(primary; water-in-oil makeup emulsions)

IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(sesame; water-in-oil makeup emulsions)

IT Fats and Glyceridic oils, biological studies

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RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(turtle; water-in-oil makeup emulsions)

- IT Antioxidants
- Gelation agents
- Perfumes
- Pigments, nonbiological
- Preservatives
- Radical scavengers
- Sequestering agents
- Skin
- Stabilizing agents
- Thickening agents  
(water-in-oil makeup emulsions)
- IT Amino acids, biological studies
- Canola oil
- Castor oil
- Corn oil
- Cottonseed oil
- Fatty acids, biological studies
- Fluoropolymers, biological studies
- Glycols, biological studies
- Hydrocarbon oils
- Jojoba oil
- Lecithins
- Mica-group minerals, biological studies
- Olive oil
- Oxides (inorganic), biological studies
- Palm oil
- Paraffin oils
- Petrolatum
- Polyamides, biological studies
- Polyesters, biological studies
- Polysiloxanes, biological studies
- Soaps
- Soybean oil
- Sunflower oil
- RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(water-in-oil makeup emulsions)
- IT 13463-67-7, Titanium oxide, biological studies
- RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(mica-coated; water-in-oil makeup emulsions)
- IT 9004-34-6, Cellulose, biological studies
- RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(microcryst.; water-in-oil makeup emulsions)
- IT 57-10-3, Palmitic acid, biological studies 57-11-4, Stearic acid,  
biological studies 57-11-4D, Stearic acid, esters 60-33-3, LinOleic  
acid, biological studies 110-27-0, Isopropyl myristate 111-01-3,  
Perhydrosqualene 112-80-1, Oleic acid, biological studies 112-80-1D,  
Oleic acid, esters 112-85-6, Behenic acid 112-92-5, Stearyl alcohol  
123-95-5, Butyl stearate 142-82-5, Heptane, biological studies  
142-91-6, Isopropyl palmitate 143-07-7D, Lauric acid, esters 143-28-2,  
Oleyl alcohol 428-59-1, Hexafluoropropylene oxide 463-40-1, Linolenic  
acid 471-34-1, Calcium carbonate, biological studies 506-43-4,  
LinOleyl alcohol 506-44-5, LinOlenyl alcohol 540-84-1, Isooctane  
541-02-6, Decamethylcyclotetrasiloxane 544-63-8, Myristic acid,  
biological studies 546-93-0, Magnesium carbonate 556-67-2,  
Octamethylcyclotetrasiloxane 1309-37-1, Iron oxide, biological studies  
1873-90-1, Heptamethylhexyltrisiloxane 2090-64-4, Magnesium hydrogen  
carbonate 2915-57-3 6938-94-9, DiIsopropyl adipate 7631-86-9,  
Silica, biological studies 7787-59-9, Bismuth oxychloride 9002-84-0,

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Teflon 9002-88-4, Polyethylene 9005-25-8, Starch, biological studies 9016-00-6, Polydimethyl siloxane 10043-11-5, Boron nitride, biological studies 10101-66-3, Manganese violet 12240-15-2, Prussian blue 14807-96-6, Talc, biological studies 17955-88-3, Heptamethyloctyltrisiloxane 22766-83-2, 2-Octyldodecyl myristate 26942-95-0, Glyceryl triisostearate 27458-93-1, IsoStearyl alcohol 29806-73-3, 2-Ethylhexyl palmitate 30399-84-9, Isostearic acid 31807-55-3, Isododecane 31900-57-9, Polydimethyl siloxane 34316-64-8, Hexyl laurate 34362-27-1, 2-Hexyldecyl laurate 34464-38-5, Isodecane 34513-50-3, Octyldodecanol 36653-82-4, Cetanol 38079-62-8, Disodium stearyl glutamate 42131-25-9, Isononyl isononanoate 57455-37-5, Ultramarine blue 57568-20-4, 2-Octyldodecyl lactate 60908-77-2, Isohexadecane 61417-49-0 81230-05-9, Diisostearyl malate 83138-62-9, Polyglyceryl isostearate 110734-66-2, Abil WE 09 120486-24-0, DiGlyceryl triisostearate 134112-33-7, 2-Octyldecyl palmitate 145686-34-6, Cetyl Dimethicone copolyol  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (water-in-oil makeup emulsions)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 29 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:550042 CAPLUS Full-text

DOCUMENT NUMBER: 140:240587

TITLE: Formulation of ceramides - a fundamental analysis

AUTHOR(S): Dietz, T.; Hameyer, P.

CORPORATE SOURCE: Goldschmidt AG, Essen, 45127, Germany

SOURCE: SOFW Journal (2003), 129(5), 2-4,6-9

CODEN: SOFJEE; ISSN: 0942-7694

PUBLISHER: Verlag fuer Chemische Industrie H. Ziolkowsky

DOCUMENT TYPE: Journal

LANGUAGE: German

ED Entered STN: 18 Jul 2003

AB Cosmetic emulsions were investigated containing ≤1% ceramide 3. The solubility of 1% ceramide was low in cosmetic oils and liquid emulsifiers, and it was good in aqueous emulsifier wax gels. In o/w creams, 1% ceramide 3 aggravates the solubility of the oily phase, increases the emulsion viscosity, and favors the inhomogeneity of o/w emulsions.

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 38

ST ceramide cosmetic emulsion wax gel; oil emulsifier  
 ceramide cosmetic

IT Cosmetics

(emulsions; formulation of ceramides)

IT Crystallinity

Emulsifying agents

Solubility

Viscosity

(formulation of ceramides)

IT Emulsions

(oil-in-water; formulation of ceramides)

IT Emulsions

(water-in-oil; formulation of ceramides)

IT 56-81-5, Glycerin, biological studies 57-11-4, Stearic acid, biological studies 112-30-1D, Decanol, reaction with fatty acids

3687-46-5, Decyl oleate 6144-28-1, Dilinoleic acid 8043-29-6, Tegin M

9005-66-7, Polysorbate 40 9007-48-1 34513-50-3, Octyldodecanol

37220-82-9, Glyceryl oleate 37318-79-9, Sorbitan oleate 63705-03-3

63793-60-2, PPG-3 myristyl ether 74504-65-7, Polyglyceryl caprate

157175-98-9, Tego Care 450 217818-20-7, Tego Care CG 90 494837-94-4,

Abil Care 85

RL: COS (Cosmetic use); MOA (Modifier or additive use); BIOL  
(Biological study); USES (Uses)  
(formulation of ceramides)

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 30 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:491007 CAPLUS Full-text

DOCUMENT NUMBER: 139:73728

TITLE: Cleaning products based on microemulsions that contain oil

INVENTOR(S): Ruppert, Stephan; Schreiber, Joerg; Tesch, Mirko

PATENT ASSIGNEE(S): Beiersdorf Ag, Germany

SOURCE: PCT Int. Appl., 72 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2003051319	A1	20030626	WO 2002-EP14139	20021212
W: JP, US				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR				
DE 10161885	A1	20030710	DE 2001-10161885	20011217
EP 1458332	A1	20040922	EP 2002-804889	20021212
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, CY, TR, BG, CZ, EE, SK				
PRIORITY APPLN. INFO.:			DE 2001-10161885	A 20011217
			WO 2002-EP14139	W 20021212

ED Entered STN: 27 Jun 2003

AB The invention relates to cleaning products and methods for the production thereof, based on microemulsions that contain oil. These products are aesthetic, can also be foamed and can be used as shower gels, shampoos, cleansing preps., hand washing products, bath preps., make-up removers or shaving products. The products can be of low viscosity or gel-like, can slightly or highly foam and/or used as antibacterial rinse-off formulations. The cleaning products are very mild on the skin and aesthetically transparent. The microemulsions can serve as an impregnation medium for towels and fabrics that are used either wet or dry by the user. In addition, the microemulsions can be applied from a pump foamer. Thus a makeup remover contained (weight/weight%): sodium laureth sulfate 9.00; sodium cocoamphoacetate 6.00; citric acid 1.20; dicaprylyl ether 8.00; glyceryl linoleate 2.50; glycerin 5.00; PEG-15 distearate 0.80; sodium chloride 0.50; antioxidants, preservative q.s.; water to 100.

IC ICM A61K007-02

ICS A61K007-075; A61K007-15; A61K007-50

CC 62-4 (Essential Oils and Cosmetics)

ST cosmetic cleansing microemulsion oil surfactant emulsifier

IT Emulsifying agents

(W/O emulsifiers; cleaning products based on microemulsions  
that contain oil)

IT Fatty acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(coco; cleaning products based on microemulsions that contain oil)

IT 56-40-6, Glycine, biological studies 56-41-7, L-Alanine, biological  
studies 56-84-8, L-Aspartic acid, biological studies 56-86-0,

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L-Glutamic acid, biological studies 57-55-6D, Propylene glycol, esters 64-19-7, Acetic acid, biological studies 72-18-4, L-Valine, biological studies 74-79-3, L-Arg, biological studies 79-09-4, Propionic acid, biological studies 107-15-3D, Ethylene diamine, acyl and dialkyl derivs. 107-35-7, Taurine 107-36-8D, acyl derivs. 107-97-1, Sarcosinic acid 110-27-0, Isopropylmyristate 112-92-5, Stearylalcohol 124-04-9D, Hexanedioic acid, ester 142-18-7, Glycerylmonolaurate 142-91-6, Isopropylpalmitate 147-85-3, L-Proline, biological studies 151-41-7, Laurylsulfate 288-32-4D, Imidazole, alkyl derivs. 506-03-6, Chimylalcohol 593-31-7, Selachylalcohol 617-57-2D, 2-Lactylic acid, acyl derivs. 629-82-3, Dicaprylyl ether 629-96-9, Arachidylalcohol 661-19-8, Behenylalcohol 1323-39-3, Propylene glycol monostearate 1680-31-5, Dicaprylyl carbonate 3687-46-5, Decyloleate 5138-18-1, Sulfosuccinic acid 6899-10-1D, Cetyltrimethylammonium, salts 7664-38-2D, Phosphoric acid, esters and salts 9005-00-9, Steareth-2 9005-08-7 9006-65-9, Dimethicone 12441-09-7D, Sorbitan, esters 12694-22-3, Diglycerylmonostearate 20292-08-4, 2-Ethylhexyl laurate 25496-72-4, Glycerylmonooleate 26183-44-8 26402-22-2, Glycerylmonocaprinate 26402-26-6, Glycerylmonocaprylate 26915-75-3D, Poly(ethylene oxide)sodium, olive oil carboxylate 27195-16-0, Saccharosdistearate 27321-96-6 29806-73-3, 2-Ethylhexylpalmitate 30776-58-0 31566-31-1, Glyceryl monostearate 34513-50-3, Octyldodecanol 36653-82-4, Cetylalcohol 37348-65-5, Glyceryl linoleate 42131-27-1 54392-26-6, Sorbitan monoisostearate 63705-03-3, Polyglyceryl-Diisostearate 66082-42-6, Triglycerindiisostearate 66085-00-5, Glycerylmonoisostearate 67298-08-2D, coco alc. derivs. 67938-21-0 68171-38-0, Propylene glycolmonoisostearate 68958-54-3, Propyleneglycoldiisostearate 70445-33-9 81752-33-2, Diglycerylmonoisostearate 83138-62-9, Polyglyceryl Isostearate 93803-86-2, Octylisostearate 103175-09-3 111092-72-9 127557-63-5 130926-64-6D, acyl and alkyl derivs. 130926-65-7D, acyl and alkyl derivs. 136532-13-3D, acyl derivs. 179799-69-0, Isobehenylalcohol 192268-49-8 225936-98-1 827596-80-5

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cleaning products based on microemulsions that contain oil)

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 31 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2003:1205 CAPLUS Full-text

DOCUMENT NUMBER: 138:61093

TITLE: Alcohol-free clear antiperspirant compositions containing silicones

INVENTOR(S): Johansson, Marie; Brahms, John

PATENT ASSIGNEE(S): Colgate-Palmolive Company, USA

SOURCE: U.S., 8 pp.  
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6500412	B1	20021231	US 2002-117900	20020408
CA 2480762	A1	20031023	CA 2003-2480762	20030407
WO 2003086339	A1	20031023	WO 2003-US10576	20030407

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,



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LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,  
 PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,  
 TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 AU 2003226292 A1 20031027 AU 2003-226292 20030407  
 EP 1492495 A1 20050105 EP 2003-746625 20030407  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK  
 BR 2003009073 A 20050222 BR 2003-9073 20030407  
 MX 2004009864 A 20041207 MX 2004-9864 20041008  
 ZA 2004008378 A 20051017 ZA 2004-8378 20041015  
 PRIORITY APPLN. INFO.: US 2002-117900 A 20020408  
 WO 2003-US10576 W 20030407

OTHER SOURCE(S): MARPAT 138:61093

ED Entered STN: 02 Jan 2003

AB A non-sticky, clear water-in-oil emulsion comprising: (a) 65-90 weight% an internal phase comprising 5-35 weight % an antiperspirant salt (anhydrous basis) having a metal:chloride ratio in the range of 0.9-1.4:1; 5-15 weight % tripropylene glycol; and 35-70 weight % water; and (b) 10-35 weight % of an external phase comprising 1-40 weight % of a volatile silicone which is not an elastomer; 0.1-5 weight % of a silicone copolyol surfactant; and 0-20 weight % of a nonvolatile silicone which is not an elastomer; wherein the composition is free of (1) C1-5 saturated alcs., (2) added propylene glycol, (3) elastomer gelling agents, (4) soap gelling agents (5) borate gelling agents, and (6) coupling agents. Thus, a composition contained DC 5225C 9.00, Dimethicone DC200 7.25, phenyltrimethicone 1.75, fragrance 0.70, Summit Z529 (antiperspirant active) 67.90, and tripropylene glycol 13.40%.

IC ICM A61K007-32

ICS A61K007-00

INCL 424065000; 424400000; 424401000; 514937000; 514938000

CC 62-5 (Essential Oils and Cosmetics)

IT Cosmetics

(emollients; alc.-free clear antiperspirant compns. containing silicones)

IT Cosmetics

(emulsions, water-in-oil; alc.-free clear antiperspirant compns. containing silicones)

IT Alcohols, biological studies

Fatty acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(lanolin; alc.-free clear antiperspirant compns. containing silicones)

IT 60-29-7, Ethyl ether, biological studies 115-10-6, Dimethyl ether  
 629-82-3, Dicaprylyl ether 1333-71-7, Sorbitol trioleate 1338-41-6,  
 Sorbitan monostearate 1338-43-8, Sorbitan monooleate 4113-12-6,  
 Dicetyl ether 4747-07-3, Methyl hexyl ether 6297-03-6, Distearyl ether  
 9002-92-0, Laureth 9003-09-2, Polyvinyl methyl ether 9003-11-6D,  
 C16-18 alkyl ethers 9003-27-4D, Polyisobutene, hydrogenated 9004-81-3,  
 Polyethylene glycol laurate 9004-95-9, Ceteth 9004-96-0, Polyethylene  
 glycol oleate 9004-98-2, Oleth 9004-99-3, Polyethylene glycol stearate  
 9005-00-9, Steareth 9005-02-1, Polyethylene glycol dilaurate  
 9006-65-9, Dimethicone 9007-48-1, Polyglyceryl oleate  
 11099-07-3, Glyceryl stearate 18748-98-6, Stearylxytrimethylsilane  
 24800-44-0, Tripropylene glycol 25322-68-3D, Polyethylene glycol, esters  
 25496-72-4, Glyceryl monooleate 26027-38-3, Nonoxynol 26658-19-5,  
 Sorbitan tristearate 27195-16-0, Sucrose distearate 31566-31-1,  
 Glyceryl monostearate 33940-98-6, Triglycerol monooleate 34424-98-1,  
 Decaglyceryl tetraoleate 37251-67-5 37311-01-6 37318-79-9, Sorbitan

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oleate 39365-90-7, Isolaureth 42557-10-8, DC 200 52581-71-2  
 53694-15-8 68958-56-5, Polyethylene glycol diisostearate 71902-01-7,  
 Sorbitan isostearate 72255-09-5 106392-12-5, Polyethylene  
 glycol-polypropylene glycol block copolymer 119655-66-2 134910-86-4,  
 Aluminum zirconium tetrachlorohydrate gly 175831-78-4 195868-36-1,  
 Phenyl trimethicone 314241-95-7, DC 5225C 479541-79-2, Z 529

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (alc.-free clear antiperspirant compns. containing silicones)

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 32 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2002:465773 CAPLUS Full-text

DOCUMENT NUMBER: 137:52023

TITLE: Skin oils consisting of oil-soluble constituents and  
 w/o-emulsifiers having an HLB value of  
 between 2 and 6 and optionally at least one standard  
 additive, method for the production and use

INVENTOR(S): Paspaleeva-Kuehn, Valentina; Schatschneider, Simone;  
 Beutler, Rolf D.

PATENT ASSIGNEE(S): Merz und Co. G.m.b.H. & Co., Germany

SOURCE: PCT Int. Appl., 22 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002047641	A2	20020620	WO 2001-EP12707	20011102
WO 2002047641	A3	20021212		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10062611	A1	20020627	DE 2000-10062611	20001215
CA 2429536	A1	20020620	CA 2001-2429536	20011102
AU 2002012359	A	20020624	AU 2002-12359	20011102
BR 2001016162	A	20031014	BR 2001-16162	20011102
EE 200300290	A	20031015	EE 2003-290	20011102
HU 2003002403	A2	20031028	HU 2003-2403	20011102
EP 1363592	A2	20031126	EP 2001-980539	20011102
EP 1363592	B1	20050831		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
AU 2002212359	B2	20040708	AU 2002-212359	20011102
AT 303129	T	20050915	AT 2001-980539	20011102
IN 2003MN00476	A	20060113	IN 2003-MN476	20030506
BG 107875	A	20040130	BG 2003-107875	20030604
NO 2003002662	A	20030612	NO 2003-2662	20030612
MX 2003005434	A	20050214	MX 2003-5434	20030616
US 20040067206	A1	20040408	US 2003-450542	20031029
PRIORITY APPLN. INFO.:			DE 2000-10062611	A 20001215
			WO 2001-EP12707	W 20011102

ED Entered STN: 21 Jun 2002

AB The invention relates to fatty skin oils containing at least one oil-soluble constituent, at least one W/O-emulsifier having an HLB value of between 2 and 6, preferably between 2 and 5.9 and optionally at least one additive selected from ethereal oils, antioxidants, scented substances, preservatives, active ingredients, UV filters, vitamins, thickeners, and solubilizers. The invention also relates to the production of the oils and the use of the same as skin oils, especially as skin care oils, sport oils, massage oils or sun oils. The skin oils can be applied to dry skin and especially to wet skin, having a self-emulsifying action and the advantages related thereto, soaking easily into the skin without leaving an unwanted greasy film. Thus a skin oil contained (%): Miglyol 812 38.50; peach seed oil 3.00; jojoba oil 1.00; tocopherol acetate 1.10; paraffin oil, viscous 28.4; iso-Pr palmitate 25.00; Abil EM 90 2.00; perfume oil 1.00.

IC ICM A61K007-48

CC 62-4 (Essential Oils and Cosmetics)

ST vesicle skin oil W O emulsifier hydrophilic lipophilic balance

IT Glycerides, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (C8-10; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

IT Phenols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (alkyl; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (apricot kernel; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

IT Essential oils  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (cedarwood; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

IT Skin, disease  
 (dry; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (esters, polymers of; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (esters; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

IT Essential oils  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (etheric oils; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

IT Embryophyta  
 Plants  
 (exts.; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally

- at least one standard additive, method for production and use)
- IT Alcohols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(fatty, ethers; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)
- IT Alcohols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(fatty; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)
- IT Alcohols, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(lanolin, absence of; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)
- IT Cosmetics  
(liposomes; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)
- IT Cosmetics  
(oily; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)
- IT Fats and Glyceridic oils, biological studies  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(peach seed oil; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)
- IT Essential oils  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(rosewood; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)
- IT Antioxidants
- Dyes
- Emulsifying agents
- Hydrophile-lipophile balance value
- Perfumes
- Preservatives
- Solubilizers
- Sunscreens
- Thickening agents  
(skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)
- IT Carbohydrates, biological studies
- Essential oils
- Glycerides, biological studies
- Jobba oil
- Lipids, biological studies
- Paraffin oils
- Polysiloxanes, biological studies
- Soybean oil
- Sunflower oil
- Terpenes, biological studies
- Vitamins
- RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally

at least one standard additive, method for production and use)

IT Fats and Glyceridic oils, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (valerian; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

IT Alcohols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (wool wax, absence of; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

IT 57-88-5, Cholesterol, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (absence of; skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

IT 50-81-7, Vitamin C, biological studies 58-95-7, Tocopherol acetate  
 94-13-3, Propylparaben 99-76-3, Methylparaben 110-44-1, Sorbic acid  
 128-37-0, biological studies 137-66-6, Ascorbyl palmitate 142-91-6, Isopropyl palmitate 629-82-3, Cetyl OE 1406-18-4, Vitamin E  
 5466-77-3, Neoheliopan AV 11103-57-4, Vitamin A 12441-09-7D, Sorbitan, derivs. 25013-16-5 34316-64-8, Hexyl laurate 74565-11-0, Finsolv TN 83138-62-9 144747-22-8, Dehymuls PGPH 145686-34-6, Abil EM 90 217434-83-8, Isolan PDI  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (skin oils consisting of oil-soluble constituents and w/o-emulsifiers having HLB value of between 2 and 6 and optionally at least one standard additive, method for production and use)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 33 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2002:465753 CAPLUS Full-text  
 DOCUMENT NUMBER: 137:52015  
 TITLE: Vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for the production and its use  
 INVENTOR(S): Paspaleeva-Kuehn, Valentina; Schatschneider, Simone; Beutler, Rolf D.  
 PATENT ASSIGNEE(S): Merz und Co. G.m.b.H. & Co., Germany  
 SOURCE: PCT Int. Appl., 28 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2002047617	A1	20020620	WO 2001-EP12709	20011102
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10062610	A1	20020627	DE 2000-10062610	20001215

# Dennis Heyer 10/580,575

CA 2429431	A1	20020620	CA 2001-2429431	20011102
AU 2002024826	A	20020624	AU 2002-24826	20011102
EP 1347734	A1	20031001	EP 2001-994633	20011102
EP 1347734	B1	20060118		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

BR 2001016161	A	20031014	BR 2001-16161	20011102
EE 200300289	A	20031015	EE 2003-289	20011102
HU 2003002561	A2	20031128	HU 2003-2561	20011102
AT 315929	T	20060215	AT 2001-994633	20011102
IN 2003MN00477	A	20060113	IN 2003-MN477	20030506
BG 107876	A	20040130	BG 2003-107876	20030604
NO 2003002664	A	20030612	NO 2003-2664	20030612
MX 2003005435	A	20050701	MX 2003-5435	20030616
US 20040076652	A1	20040422	US 2003-450543	20031205

PRIORITY APPLN. INFO.:

DE 2000-10062610	A	20001215
WO 2001-EP12709	W	20011102

ED Entered STN: 21 Jun 2002

AB The invention relates to skin oils containing fat, containing one or more oil soluble components, one or more W/O emulsifiers with a hydrophilic-lipophilic balance of 2-6, preferably 5.9, one or more vesicle forming lipids and, optionally, one or more additives selected from etheric oils, antioxidants, perfumed materials, preservatives, active ingredients, UV filters, vitamins, consistency modulators and solubilizers. The invention also relates to the production and the use of the skin oil, particularly as a skin care oil, sport oil, massage oil or sun protection oil. The skin oils can be applied on dry skin and particularly on wet skin. The oil is self-emulsifying and spontaneously forms liposomes. The oil also has the advantage as it can easily penetrate the skin without leaving a disturbing layer of fat on it. Thus a skin oil contained (%): Miglyol 812 36.80; peach seed oil 3.00; jojoba oil 1.00; tocopherol acetate 1.10; paraffin oil, viscous 28.4; iso-Pr palmitate 25.00; Abil EM 90 2.00; Phosal 50 SA (50% Lecithin) 2.00; perfume oil 0.70.

IC ICM A61K007-00

ICS A61K007-48

CC 62-4 (Essential Oils and Cosmetics)

ST vesicle skin oil W O emulsifier hydrophilic lipophilic balance

IT Glycerides, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(C8-10; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)

IT Phenols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(alkyl; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)

IT Fats and Glyceridic oils, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(apricot kernel; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)

IT Essential oils

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(cedarwood; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)

IT Skin, disease

(dry; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)

IT Fatty acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

- (esters, polymers of; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Fatty acids, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (esters; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Essential oils
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (etheric oils; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Embryophyta
  - Plants
    - (exts.; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Alcohols, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (fatty, ethers; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Alcohols, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (fatty; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Alcohols, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (lanolin; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Cosmetics
  - (liposomes; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Cosmetics
  - (oily; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Fats and Glyceridic oils, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (peach seed oil; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Sterols
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (phytosterols; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Essential oils
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (rosewood; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Fats and Glyceridic oils, biological studies
  - RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
  - (valerian; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)
- IT Antioxidants
- Dyes
- Emulsifying agents

Hydrophile-lipophile balance value

Perfumes

Preservatives

Solubilizers

Sunscreens

Vesicles (colloidal)

(vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)

IT Carbohydrates, biological studies

Ceramides

Essential oils

Glycerides, biological studies

Jobba oil

Lecithins

Lipids, biological studies

Paraffin oils

Phosphatidylcholines, biological studies

Polysiloxanes, biological studies

Soybean oil

Sunflower oil

Terpenes, biological studies

Vitamins

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)

IT Alcohols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(wool wax; vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)

IT 50-81-7, Vitamin C, biological studies 57-88-5, Cholesterol, biological studies 58-95-7, Tocopherol acetate 94-13-3, Propylparaben 99-76-3, Methylparaben 110-44-1, Sorbic acid 128-37-0, biological studies 137-66-6, Ascorbyl palmitate 142-91-6, Isopropyl palmitate 629-82-3, Cetiol OE 1406-18-4, Vitamin E 5466-77-3, Neoheliopan AV 11103-57-4, Vitamin A 12441-09-7D, Sorbitan, derivs. 25013-16-5 34316-64-8, Hexyl laurate 74565-11-0, Finsolv TN 83138-62-9 144747-22-8, Dehymuls PGPH 145686-34-6, Abil EM 90 217434-83-8, Isolan PDI

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(vesicle forming skin oil containing W/O-emulsifiers with a hydrophilic-lipophilic balance of 2-6, method for production and use)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 34 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2002:428658 CAPLUS Full-text

DOCUMENT NUMBER: 137:10729

TITLE: Fine-grained emulsions

INVENTOR(S): Kawa, Rolf; Eskuchen, Rainer; Ansmann, Achim

PATENT ASSIGNEE(S): Cognis Deutschland Gmbh & Co. Kg, Germany

SOURCE: PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002043672	A1	20020606	WO 2001-EP13482	20011121



# Dennis Heyer 10/580,575

W: AU, BR, CN, JP, KR, MX, US

RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,  
PT, SE, TR

DE 10059430 A1 20020606 DE 2000-10059430 20001130

AU 2002024862 A 20020611 AU 2002-24862 20011121

EP 1337225 A1 20030827 EP 2001-994685 20011121

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2005506274 T 20050303 JP 2002-545650 20011121

US 20040029977 A1 20040212 US 2003-433114 20030529

PRIORITY APPLN. INFO.: DE 2000-10059430 A 20001130

WO 2001-EP13482 W 20011121

ED Entered STN: 07 Jun 2002

AB The invention relates to a method for producing emulsions having a particle size of between 0.1 and 5  $\mu$ m, whereby oil bodies having a maximum polarity of 5 Debyes are mixed with emulsifying agents and water and are then homogenized under pressure. Thus, a formulation contained an oil (obtained from dicaprylyl carbonate 1.5, coco glycerides 2.5, castor oil 4.2, and Myreth-3 myristate 5.5 debyes) 16.0, an emulsifier mixture (Cetareth-20 and Eumulgin VL-75) 1.0 and water to 100%.

ICM A61K007-00

ICS A61K009-107; B01F003-08; B01F013-06

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

ST emulsion cosmetic particle size

IT Alcohols, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C16-18, ethoxylated; fine-grained emulsions)

IT Glycerides, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C6-10; fine-grained emulsions)

IT Diglycerides

Monoglycerides

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C6-18; fine-grained emulsions)

IT Ethers, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(C6-22 alkyl; fine-grained emulsions)

IT Carboxylic acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(aromatic, esters, with C6-22 fatty alcs.; fine-grained emulsions  
)

IT Glycerides, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(coco; fine-grained emulsions)

IT Carboxylic acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(dicarboxylic, esters, C2-12; fine-grained emulsions)

IT Cosmetics

Drug delivery systems

(emulsions; fine-grained emulsions)

IT Carboxylic acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(esters, C6-13, with C6-22 fatty alcs.; fine-grained emulsions  
)

IT Fatty acids, biological studies

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(esters, C6-22, with C6-22 fatty alcs.; fine-grained emulsions  
)

IT Fatty acids, biological studies

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RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (ethoxylated; fine-grained emulsions)

IT Alcohols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (fatty, C6-18; fine-grained emulsions)

IT Alcohols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (fatty, ethoxylated; fine-grained emulsions)

IT Alcohols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (fatty, propoxylated; fine-grained emulsions)

IT Emulsifying agents  
 Particle size distribution  
 Viscosity  
 (fine-grained emulsions)

IT Castor oil  
 Naphthenes  
 Polysiloxanes, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (fine-grained emulsions)

IT Castor oil  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (hydrogenated; fine-grained emulsions)

IT Carboxylic acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (hydroxy, esters, C18-38, with C6-22 fatty alcs.; fine-grained emulsions)

IT Alcohols, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (primary, branched; fine-grained emulsions)

IT Fatty acids, biological studies  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (propoxylated; fine-grained emulsions)

IT Protein hydrolyzates  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (wheat, reaction products with coco fatty acids, sodium salts; fine-grained emulsions)

IT 57-50-1D, Sucrose, esters 65-85-0D, Benzoic acid, C6-22 alkyl esters  
 110-82-7D, Cyclohexane, derivs. 1680-31-5, Dicaprylyl carbonate  
 7664-93-9D, Sulfuric acid, alkyl esters, sodium salt 9007-48-1,  
 Polyglycerin oleate 12441-09-7D, Sorbitan, esters, alkoxyated  
 25496-72-4, Glyceryl oleate 63705-03-3, Polyglycerol diisostearate  
 68936-89-0, Polyglycerol ricinoleate 68936-95-8 74504-65-7,  
 Polyglycerol caprate 83138-62-9, Polyglycerin isostearate  
 84861-79-0, Potassium cetyl phosphate 138520-59-9 145686-34-6, Cetyl  
 dimethicone copolyol 182510-33-4 195889-53-3, Eumulgin VL75  
 206451-21-0 433302-46-6  
 RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (fine-grained emulsions)

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 35 OF 35 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2002:220338 CAPLUS Full-text  
 DOCUMENT NUMBER: 136:252282  
 TITLE: Application of water nanoclusters to skin  
 INVENTOR(S): Johnson, Keith H.  
 PATENT ASSIGNEE(S): Quantum Energy Technologies, USA  
 SOURCE: PCT Int. Appl., 30 pp.  
 CODEN: PIXXD2

DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002022086	A2	20020321	WO 2001-US28775	20010914
WO 2002022086	A3	20030130		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001090936	A	20020326	AU 2001-90936	20010914
PRIORITY APPLN. INFO.:				
			US 2000-662195	A 20000914
			WO 2001-US28775	W 20010914

ED Entered STN: 22 Mar 2002

AB A process for delivery of water nanoclusters of diameter < .apprx. 1 nm to the skin to yield high epidermal permeability and improved delivery of water to within the outer layer of human skin is described. The invention provides effective water-cluster-based formulations for a broad range of water/oil nanoemulsion configurations. The water nanocluster composition further comprises one or more surfactants selected from fatty acids, ethoxylates and alcs. For example, a water nanocluster/cosmetic oil formulation was prepared as a water/oil emulsion by mixing soybean oil 50%, water 25%, a surfactant (an ethoxylate) 20%, polyglyceryl oleate 4%, and n-pentanol (a cosurfactant) 1%. The water nanoclusters were in the <2-10 nm nanocluster range.

IC ICM A61K007-00

CC 62-4 (Essential Oils and Cosmetics)

Section cross-reference(s): 63

ST water cluster skin delivery cosmetic emulsion

IT Cosmetics

(emulsions; nanoemulsions for delivery of water nanoclusters to skin)

IT Alcohols, biological studies

Fatty acids, biological studies

Hydrocarbon oils

Paraffin oils

Peanut oil

Soybean oil

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(nanoemulsions for delivery of water nanoclusters to skin)

IT 50-81-7, Vitamin C, biological studies 71-41-0, n-Pentanol, biological studies 1314-13-2, Zinc Oxide, biological studies 1406-18-4, Vitamin E 4440-54-4, 3,6,9,12,15,18-Hexaoxahexacosan-1-ol 7732-18-5, Water, biological studies 9007-48-1, Polyglyceryl oleate 27252-75-1

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(nanoemulsions for delivery of water nanoclusters to skin)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L48 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:292384 CAPLUS Full-text

DOCUMENT NUMBER: 144:311157

TITLE: Noodle quality improvers containing  
 $\beta$ -cyclodextrin and manufacture of noodles using  
 them

INVENTOR(S): Miyamoto, Keiichi; Matsuoka, Toshiyasu; Kondo, Naoki;  
 Niimi, Keigo; Uchida, Kazuhito

PATENT ASSIGNEE(S): Taiyo Kagaku Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2006081433	A	20060330	JP 2004-268121	20040915
PRIORITY APPLN. INFO.:			JP 2004-268121	20040915

ED Entered STN: 30 Mar 2006

AB Noodles, which show good loosening property even upon storage after  
 manufacture, are manufactured by adding the improvers containing  $\beta$ -  
 cyclodextrin (I) and optional emulsifiers or by treating surface of noodles  
 with solns. containing the improvers. Thus, monoglycerin monostearate and I  
 were dissolved in H<sub>2</sub>O and the solution was spray-dried to give a quality  
 improver. Buckwheat noodles were boiled, cooled with H<sub>2</sub>O, sprayed with aqueous  
 solution of the above improver, and stored at 5° for 24 h to maintain good  
 loosening property and had good taste and texture.

CC 17-6 (Food and Feed Chemistry)

ST noodle loosening property improver beta cyclodextrin emulsifier;  
 glyceride beta cyclodextrin noodle loosening improver

IT Emulsifying agents

Food additives

Pasta

(manufacture of noodles with good loosening property by adding quality  
 improvers containing  $\beta$ -cyclodextrin and optional emulsifiers  
 or treating surface with the improvers)

IT Glycerides, biological studies

RL: FFD (Food or feed use); MOA (Modifier or additive use); BIOL  
 (Biological study); USES (Uses)

# Dennis Heyer 10/580,575

(manufacture of noodles with good loosening property by adding quality improvers containing  $\beta$ -cyclodextrin and optional emulsifiers or treating surface with the improvers)

IT Fagopyrum esculentum

Wheat flour

(noodles; manufacture of noodles with good loosening property by adding quality improvers containing  $\beta$ -cyclodextrin and optional emulsifiers or treating surface with the improvers)

IT 56-81-5D, Glycerin, fatty acid esters 7585-39-9,  $\beta$ -Cyclodextrin 31566-31-1, Glycerin monostearate 55840-14-7, Glycerin monostearate succinate 79777-30-3, Decaglycerin monostearate 81833-69-4, Glycerin monostearate diacetyltartrate

RL: FFD (Food or feed use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)

(manufacture of noodles with good loosening property by adding quality improvers containing  $\beta$ -cyclodextrin and optional emulsifiers or treating surface with the improvers)

L48 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:591344 CAPLUS Full-text

DOCUMENT NUMBER: 143:103266

TITLE: Smooth muscle anti-peristaltic emulsion compositions containing l-menthol, surfactants, and benzoates

INVENTOR(S): Hamawaki, Tomonobu; Kataoka, Yosuke; Okubo, Yoshie

PATENT ASSIGNEE(S): Nihon Pharmaceutical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2005179292	A	20050707	JP 2003-424565	20031222
PRIORITY APPLN. INFO.:			JP 2003-424565	20031222

ED Entered STN: 08 Jul 2005

AB The invention relates to a smooth muscle anti-peristaltic agent suitable for use at gastrointestinal endoscopy, wherein the agent is characterized by consisting of an emulsion containing l-menthol, a surfactant, and benzoic acid, p-oxybenzoic acid or its salt or ester, and having an average particle size of  $\leq 100$  nm. The agent has improved low-temperature stability during storage. An emulsion was prepared from sucrose fatty acid ester (Surfhope J1616) 20, tween 80 (Ionet T-80A) 10, polyoxyethylene hydrogenated castor oil (HCO-60) 36, medium-chain fatty acid triglyceride (Coconad RK) 16, sodium benzoate 12, benzoic acid 12, l-menthol 16 g, and water balance to 2 L.

IC ICM A61K031-045

ICS A61K009-10; A61K047-12; A61K047-14; A61K047-26; A61K047-34; A61P001-00; A61P021-00

CC 63-6 (Pharmaceuticals)

ST menthol surfactant benzoate emulsion peristalsis inhibitor stability

IT Drug delivery systems

(emulsions; smooth muscle anti-peristaltic emulsion compns. containing l-menthol, surfactants, and benzoates)

IT Castor oil

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(hydrogenated, ethoxylated; smooth muscle anti-peristaltic emulsion compns. containing l-menthol, surfactants, and benzoates)

IT Glycerides, biological studies  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (medium-chain; smooth muscle anti-peristaltic emulsion compns. containing l-menthol, surfactants, and benzoates)

IT Gastrointestinal motility  
 Stabilizing agents  
 Surfactants  
 (smooth muscle anti-peristaltic emulsion compns. containing l-menthol, surfactants, and benzoates)

IT Muscle  
 (smooth; smooth muscle anti-peristaltic emulsion compns. containing l-menthol, surfactants, and benzoates)

IT 9005-65-6, Tween 80  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (Ionet T 80PA; smooth muscle anti-peristaltic emulsion compns. containing l-menthol, surfactants, and benzoates)

IT 39300-95-3, Surfhope J 1616  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (Surfhope J 1616; smooth muscle anti-peristaltic emulsion compns. containing l-menthol, surfactants, and benzoates)

IT 77-92-9, Citric acid, biological studies  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (pH adjuster; smooth muscle anti-peristaltic emulsion compns. containing l-menthol, surfactants, and benzoates)

IT 65-85-0, Benzoic acid, biological studies 99-96-7, biological studies  
 532-32-1, Sodium benzoate 538-23-8, Coconad RK 2216-51-5  
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (smooth muscle anti-peristaltic emulsion compns. containing l-menthol, surfactants, and benzoates)

L48 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:449995 CAPLUS Full-text

DOCUMENT NUMBER: 142:465466

TITLE: Evaluation methods for the physical properties of polyhydric alcohol fatty acid esters based on the determination of cloud points

INVENTOR(S): Okubo, Yasuhiro; Iwanaga, Tetsuro;  
 Uchida, Kazuhito

PATENT ASSIGNEE(S): Taiyo Kagaku Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2005134289	A	20050526	JP 2003-372096	20031031
PRIORITY APPLN. INFO.:			JP 2003-372096	20031031

ED Entered STN: 27 May 2005

AB The cloud points of aqueous solns. containing the title esters and polyoxyethylene nonionic surfactants are determined without the limitation by the HLB values of the title esters. Thus, cloud points were determined for aqueous solns. containing polyglycerin oleates having various HLB values and polyethylene glycol lauryl ether.

IC ICM G01N025-04

CC 46-4 (Surface Active Agents and Detergents)

Dennis Heyer 10/580,575

IT 9007-48-1P, Polyglycerin oleate 9009-32-9P, Polyglycerin  
stearate

RL: IMF (Industrial manufacture); PRP (Properties); TEM (Technical or  
engineered material use); PREP (Preparation); USES (Uses)

(cloud points of aqueous solns. containing polyhydric alc. fatty acid  
esters  
and polyoxyethylenes)

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